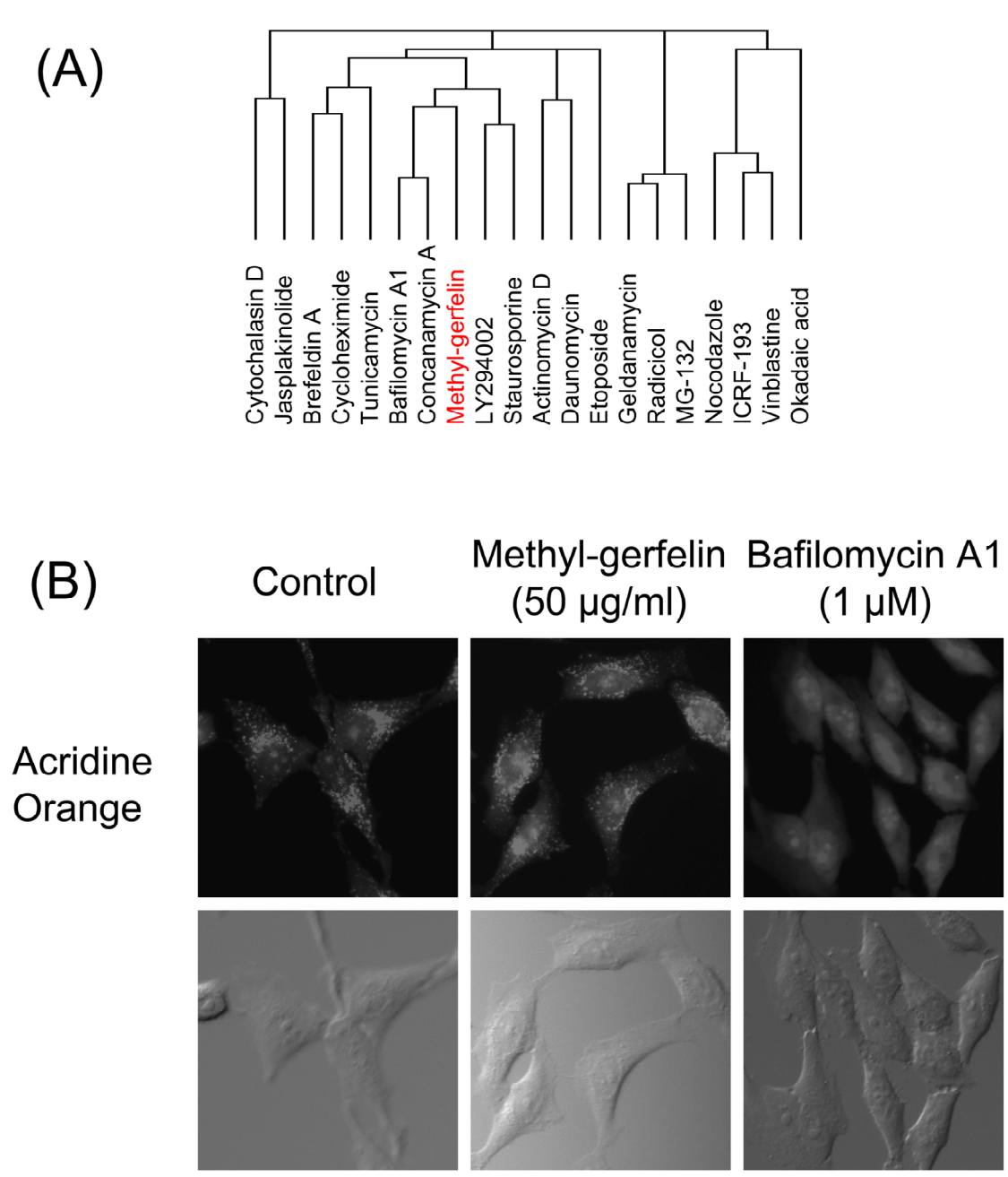
Figure S1



A) Clustering of 19 compounds and methyl-gerfelin by proteomic profiling analysis.

HeLa cells treated with 50 μg/ml methyl-gerfelin for 18 h were analyzed by 2D-DIGE. The data was combined with the data of 19 compounds and the

data of 312 spots matched to the all gels were used for hierarchical clustering. Slight correlation of the pattern of V-ATPase inhibitor-treated HeLa cells was observed.

B) Effect of methyl-gerfelin on organelles acidification.

Acidic organelles such as lysosome are acidified by V-ATPase. After 2 h incubation with a compound, HeLa cells were stained with 5 μM acridine orange for 15 min. The medium was then replaced to acridine orange free medium and accumulation of acridine orange in acidic organelles was observed by a fluorescent microscopy (Olympus, Tokyo). No inhibitory effect of methyl-gerfelin on organelles acidification was observed. Upper panel, WIG filter (ex. 520-550, em. > 580; Olympus, Tokyo); Lower panel, Nomarski optics.

Result of Figure 1B (Geldanamycin and Radicicol)

	Control	Geldanamycin					Radicicol
Master No.		0.005 μM	0.05 μM	0.5 μM	5 μM	10 μM	Rad 10 μM
257	1	0.873925283	0.943677984	0.784290057 **	0.724564554 **	0.719296695 **	0.870815425
297	1	1.015998799	1.04121973	1.278737437 *	1.315568736 **	1.146612215	0.815041374
412	1	0.970571797	0.884633562	1.223686369 **	1.108495608	1.110246157	1.064525099
453	1	1.019390084	0.85556685 **	1.033679277	1.040195392	0.929174605	0.874267595 *
461	1	0.966122115	1.155067789 **	1.219707867 **	1.163596218 **	1.112966062 *	1.116092784 *
508	1	0.919433225	1.369871771 *	1.51614718 **	1.77940585 **	1.704832543 **	1.952166706 **
513	1	0.906762743	1.442304378 *	1.736066308 **	2.436340971 **	2.085068324 **	2.711879948 **
564	1	1.040031407	0.92022118	0.881519193	0.778968631 **	0.746753859 **	0.896959139
576	1	1.066846334	1.055228652	1.302789095 **	1.312686372 **	1.271788104 **	1.091886139
603	1	1.077729437	0.994748819	1.175993477 *	1.280038245 **	1.433572733 **	1.05278334
605	1	1.012987594	1.111662115	1.128704465	1.142466024	1.263983678 **	1.301814461 **
607	1	1.208424146	1.15976399	1.457718912 *	1.73547962 **	1.8515377 **	1.191591635
608	1	1.018520638	1.16962163 *	1.257491409 **	1.294745051 **	1.212194759 *	1.200041208 *
623	1	0.942402963	0.962874019	0.809411866 **	0.826291514 **	0.793082388 **	0.98864867
641	1	0.984700653	0.978555345	1.351220809 **	1.397116224 **	1.477046382 **	1.147953279
642	1	0.996941276	0.94069723	1.254746013 **	1.309727745 **	1.397351226 **	1.206326107 *
643	1	0.916786019	0.944057026	0.717793029 **	0.764885897 **	0.722081175 **	0.790182718 **
645	1	1.038520865	1.033011046	1.326846865 *	1.490405327 **	1.570319851 **	1.173937962
647	1	1.016972315	0.968759297	1.294788437 **	1.307735 **	1.409169761 **	1.192079078 *
650	1	1.033084879	1.08313397	1.429951253 **	2.265064083 **	2.230578587 **	1.357977802 *
669	1	1.040122638	1.073155491	1.324718133 **	1.230466432 *	1.200213309 *	1.187050161 *
683	1	1.004908402	0.844337131	1.003150891	1.261177385 **	1.125498225	0.86575043
687	1	1.059656335	1.027289062	1.227094983 **	1.213365096 **	1.141346637	0.970354003
696	1	0.965138476	1.016899249	0.830486428 **	0.872035577 *	0.89434964	0.932262485
698	1	1.112140206	0.959150436	0.863651178 *	0.937003021	0.821209016 **	0.897234192
700	1	1.029333153	0.969118263	0.672198848 **	0.66328058 **	0.652455109 **	0.839135234 *
701	1	1.025813848	0.982852672	0.727914365 **	0.705266025 **	0.671186793 **	0.900569189
708	1	1.039021421	1.025670862	1.207017697 **	1.199029639 **	1.158939417 **	1.040266907
713	1	0.972139971	0.934029994	0.714137643 **	0.658738615 **	0.70481901 **	0.823334198 *
714	1	0.949940127	0.954934259	0.63335145 **	0.594149424 **	0.548598125 **	0.716249327 **
728	1	0.962069683	0.910814885 *	0.696624142 **	0.674481169 **	0.627133669 **	0.704036849 **
747	1	1.031296622	1.001197612	0.913857908 *	0.8594471 **	0.904272933 *	0.873436964 **
761	1	1.045999391	0.919542917	0.7848582 **	0.7248204 **	0.738762353 **	0.674325912 **
780	1	1.06914249	1.117467669 *	1.242091827 **	1.161666558 **	1.241941527 **	1.17363328 **
784	1	0.860099132	0.998599857	1.296594821 **	1.258003561 *	1.379272707 **	1.412532089 **
788	1	1.036405034	1.004108462	1.19788258 **	1.141394128 *	1.094667964	1.013191628
794	1	1.004015574	1.048066019	1.22059625 **	1.160476669 *	1.107253867	1.056567784
813	1	1.02282288	1.152613444	1.691579283 **	1.813066662 **	1.76759592 **	1.605611071 **
852	1	1.046097971	1.044048436	1.203163698 **	1.220286207 **	1.153387626 *	1.026254106
856	1	0.939484691	1.036712226	1.282955129 **	1.344323579 **	1.410069772 **	1.19635279 **
863	1	1.061642672	1.001408975	1.212362517 **	1.151428908 **	1.11314608 *	0.925243668
865	1	0.998616487	0.981672746	0.927888367	0.949472255	0.946688706	0.845789033 **
866	1	1.015116072	0.998692275	1.151076609 *	1.253747983 **	1.247518295 **	1.176513356 *
867	1	1.029370347	0.979893045	1.154838028 **	1.115379035 *	1.139343803 **	0.97838696
873	1	1.025281085	0.981846158	0.768247788 **	0.705179973 **	0.804390466 *	0.818475497 *
877	1	0.900893403	0.849324461	0.719958622 **	0.908213281	0.79207379 *	0.813432054 *
889	1	1.053961047	1.021503083	0.929607774	0.896723858	0.875108407 *	0.812616178 **
907	1	0.956591372	1.067735383	1.110142114	1.263667398 **	1.284974361 **	1.313103861 **
909	1	1.025847353	0.982046613	0.905092587 **	0.845232541 **	0.811427045 **	0.668618263 **
914	1	0.975992212	0.999578328	1.014420212	1.101035775 *	1.168723608 **	1.034124229
916	1	0.96549165	0.945485415 *	0.93037947 *	0.990184963	1.028295598	0.898678387 **
921	1	1.074000017	1.065222926	0.879872626	1.311004662 *	1.340778238 **	0.810274309
928	1	1.040781602	1.057950658	1.255537435 **	1.207692911 *	1.227327663 *	0.969551894
929	1	1.040672296	0.925688347	0.844821504 *	0.927399239	0.890698831	0.755004607 **
937	1	0.999302718	1.003463524	1.084946752	1.429932099 **	1.40427608 **	0.906227734
939	1	0.862027738 **	0.902492625	0.949655188	0.963472874	0.973763056	0.807487933 **
944	1	1.03650141	1.029547276	1.244953243 **	1.255722132 **	1.301714413 **	1.06365052
951	1	0.997025201	0.953701405	0.866957381 **	0.862232516 **	0.842882223 **	0.749489979 **
971	1	1.028203885	1.071165488	2.259898763 **	5.90325774 **	5.720081278 **	2.60235366 **
983	1	1.006277284	1.040710137	1.289900085 *	2.701901957 **	2.709074895 **	1.284927162 *

998	1	0.953723156	1.034025409	1.385511438 **	1.306259419 **	1.406792396 **	1.281523982 *
1006	1	1.049399904	1.066961139	1.409720333 **	1.349471745 **	1.329754741 **	1.165908351 *
1009	1	1.022769994	1.055961658	1.46613842 **	1.429128035 **	1.409670648 **	1.179306568 *
1020	1	0.957144935	0.971387885	0.82243203 *	0.732689094 **	0.719061299 **	0.85621227 *
1034	1	1.004902184	1.033917657	0.68872867 **	0.75296886 **	0.692618891 **	0.910848043
1036	1	0.957821528	0.99283698	1.049459485	1.369349849 **	1.276495885 **	1.023151038
1040	1	0.972522298	1.122824189	1.427694346 **	1.387438051 **	1.470089407 **	1.50036558 **
1045	1	1.030711267	1.227031823 **	1.631045491 **	1.538737441 **	1.606034607 **	1.646044839 **
1046	1	0.983055841	0.920337115	0.691966035 **	0.719272618 **	0.677710078 **	0.730142856 **
1047	1	0.980796832	1.110376872	1.304364977 **	1.241025777 **	1.269966318 **	1.329673346 **
1069	1	1.067751087	1.028622922	1.021806387	0.997501107	0.928679466	0.829528457 **
1073	1	1.015680288	0.977728251	0.985293624	0.677164054 **	0.58771955 **	0.677745029 **
1076	1	0.989549559	0.883217092 *	0.888470458 *	0.85531782 **	0.824028697 **	0.80337174 **
1081	1	1.111997408	1.121462045	1.971910144 **	2.243249997 **	1.622434068	1.652732568
1082	1	1.020667032	0.934252574	0.89761797	0.833339952 **	0.753068681 **	0.831623165 **
1084	1	1.034921797	1.095401935	0.887590427	0.844045614 **	0.934274846	0.826865736 **
1109	1	1.082698741	2.107400502 **	4.460597197 **	4.347874524 **	4.82247445 **	5.279213633 **
1110	1	1.08900744	2.729972624 **	7.299329972 **	7.397572179 **	6.995505625 **	8.759012438 **
1111	1	0.923165552	1.541776129	4.110073667 **	4.262372595 **	3.983808647 **	3.857172428 **
1113	1	1.055948979	0.955077208	1.13469809	1.595407877 **	1.52867207 **	1.360830896 **
1114	1	1.054317967	2.736477643 **	7.216407984 **	7.329337431 **	8.052530781 **	7.42779164 **
1127	1	1.104323516	3.404717155 **	8.943202929 **	9.202001876 **	9.26454239 **	9.392162145 **
1129	1	0.947860659	0.969333027	1.060220364	1.451911249 **	1.586709448 **	1.050856239
1135	1	1.103946739	1.396211492	1.902582408 **	1.95071494 **	2.022745604 **	2.240773788 **
1160	1	1.01155521	1.003422497	0.871018887 **	0.872066047 **	0.922782421	0.852121303 **
1174	1	0.954669424	1.060625887	1.220261352 **	1.167523907 *	1.111514362	1.119200366
1190	1	1.062255268	1.006009139	1.235589009 **	1.31537193 **	1.248573145 **	1.056327016
1191	1	1.03403368	0.984081522	1.24490893 **	1.27272913 **	1.256761278 **	0.981202737
1192	1	1.104871518	1.041494159	1.342654091 **	1.32192985 **	1.276631776 **	1.018173284
1203	1	0.955772408	0.973252124	1.003582978	1.152480166	1.17426081 *	1.401875883 **
1206	1	1.057253926	1.012398086	1.110691531 *	1.158649786 **	1.098999497 *	1.004435184
1210	1	0.954953654	0.999168915	1.129508474 *	1.130968695 *	1.057217888	1.264701541 **
1211	1	0.91516427 *	0.943266193	0.815526881 **	0.829710414 **	0.770368935 **	0.953766543
1213	1	0.932317512	0.961098938	1.023517263	1.056489412	1.077950529	1.267099048 **
1214	1	0.959716174	1.104572173	1.385642744 **	1.30218585 **	1.395044247 **	1.268834794 **
1219	1	1.035385644	0.966481472	1.197815231 **	1.208707042 **	1.242734485 **	1.097351597
1221	1	0.942949742	1.145619313 *	1.121077527 *	1.208742986 **	1.149032452 *	1.222287298 **
1229	1	0.988367359	0.980509642	1.026511659	1.329458428 **	1.251113204 *	0.992568557
1280	1	0.925044209	0.986722204	1.199630205	1.322869731 *	1.495181979 **	1.164365319
1284	1	1.014344636	1.043109398	1.425901815 **	1.239366646 *	1.272025533 *	1.168644281
1292	1	1.010835109	1.106879424	1.684039443 **	1.57417884 **	1.680909093 **	1.38223157 **
1293	1	1.043991799	1.174827758	1.643348103 **	1.466559366 **	1.536884398 **	1.241481138
1295	1	1.022660991	1.193960771 *	1.749965053 **	1.616481783 **	1.640567463 **	1.344759594 **
1300	1	0.978225976	0.945949447	0.868813254 **	0.867997043 **	0.888909077 *	0.939310488
1306	1	1.043626183	1.109992371	1.270862173 **	1.177648376 *	1.157901183 *	1.227101096 **
1319	1	1.037249028	0.970933611	0.915756959	0.832243576 **	0.836033743 **	0.754193318 **
1323	1	0.936662338	0.945972681	0.753553589 **	0.779243997 **	0.751205509 **	0.85672576 *
1326	1	1.040943986	1.022748254	0.801517116 **	0.911357621	0.816311505 *	0.782354805 **
1342	1	0.988921541	0.984836429	1.175537982 **	1.266072369 **	1.246899839 **	1.015889848
1353	1	1.011685517	0.977406259	1.299926536 **	1.423504907 **	1.547406207 **	1.119303055
1358	1	1.209802012	1.398130603 *	1.393575403 *	1.364631278 *	1.493290409 **	1.010336777
1361	1	1.001547324	1.001470518	1.237423328 **	1.210205332 *	1.208040942 *	1.051897873
1362	1	1.038418794	0.986528464	1.210601681 **	1.487112712 **	1.462999074 **	1.021995893
1365	1	1.029161968	1.017362772	1.193789054 **	1.300397383 **	1.308064209 **	1.021755033
1376	1	0.993856337	0.951200083	0.823229637 **	0.877573926 **	0.889895315 **	0.977923213
1382	1	0.99565273	0.969287302	0.815451117 **	0.899795107 *	0.87918329 *	1.072855908
1386	1	1.081541372	0.941870963	1.254028665 *	1.258731915 *	1.328231732 **	1.033810699
1399	1	1.090123146	1.05910539	1.205915048 **	1.261031752 **	1.287037984 **	1.002525041
1405	1	1.045621017	1.130055127	1.267387779 *	1.246973232 *	1.334032017 **	1.160463961
1406	1	1.058056087	1.023001336	1.484417917 **	1.325807325 **	1.306849884 **	1.277727762 **
1408	1	0.847147343	1.041405531	1.104657783	1.118889262	1.271903206 **	1.115949796
1409	1	0.982209039	0.976087069	1.427899735 **	1.214973591 **	1.086221827	1.679449625 **
1417	1	1.102529787	1.010284563	1.2715438 **	1.27470779 **	1.201194935 *	0.995135077
1420	1	1.031304138	0.992042335	0.632097334 **	0.505897741 **	0.495557376 **	0.641428639 **

1421	1	0.982323707	0.936074828	1.193685012	1.320544219 **	1.260764701 *	1.08017654	
1423	1	0.924752152	0.968514142	0.842146866 *	0.872958693 *	0.808428301 **	1.020246312	
1429	1	0.962503809	0.959969849	0.612269658 **	0.392938859 **	0.400020849 **	0.551111044 **	
1443	1	0.939487028	0.940214517	1.061248645	1.528325991 **	1.514400754 **	1.197622618 *	
1445	1	1.024461716	0.983311439	0.964524867	1.354493995 **	1.268682586 **	1.030175675	
1446	1	1.001786739	0.963731188	0.736177344 **	0.744091831 **	0.703918895 **	0.897972301 *	
1448	1	0.936909621	0.9535136	0.762977157 **	0.740029758 **	0.730025579 **	0.771585452 **	
1453	1	0.966854638	1.019414457	0.874330253 *	0.806544479 **	0.83932759 **	0.806035268 **	
1460	1	0.992475296	1.041989892	1.325950706 **	1.117435841	1.219652549 **	1.018713052	
1462	1	1.014339462	0.959063534	1.320990707 **	1.312593893 **	1.261207939 **	1.166065343 *	
1466	1	1.085366749	1.041916851	1.508729393 **	1.479905951 **	1.496410661 **	1.136674775	
1469	1	1.032344459	1.006843674	0.866287734	0.82839966	0.753293648 **	0.832450207 *	
1472	1	1.116318548	1.093683544	1.496574426 **	1.471166655 **	1.46403214 **	1.225734917 *	
1474	1	1.075883932	1.070822366	1.457272502 **	1.415754275 **	1.397130067 **	1.169801199 *	
1475	1	1.070534523	1.044016034	1.438045913 **	1.349727515 **	1.25803295 **	1.068430694	
1480	1	1.04642127	1.042911502	1.599396113 **	1.516624085 **	1.525022868 **	1.346997228 **	
1481	1	1.103706825	1.045998129	1.493147587 **	1.551052891 **	1.467863714 **	1.076627645	
1482	1	1.081355447	0.995597917	1.281036659 **	1.264092318 **	1.216069595 *	1.073267902	
1484	1	0.965903159	0.960155464	0.711102385 **	0.722801295 **	0.707567347 **	0.751948313 **	
1485	1	0.960645703	0.944600827	0.792468603 **	0.834967039 **	0.856863778 **	0.855973827 **	
1488	1	1.039809086	0.975011675	1.173900282 **	1.164602409 **	1.12114999 **	0.939026228	
1489	1	0.999727271	0.946788802	1.189946934 **	1.226308187 **	1.193443359 **	0.905654502	
1491	1	1.006582513	0.932364285	0.739849224 **	0.744230659 **	0.725295655 **	0.898116866 *	
1498	1	1.053740877	0.98107789	1.207681493 **	1.150537753 **	1.140304885 **	0.913356821	
1499	1	1.031519462	0.999793163	1.281058799 **	1.259556339 **	1.19045735 *	1.102505966	
1511	1	0.943564405	0.940937867	0.860605533 **	0.885006554 **	0.83582014 **	0.849389925 **	
1518	1	1.058206679	1.015521301	1.131785526 **	1.124001101 *	1.074320187	0.99214311	
1548	1	0.95758026	0.937851102	0.884922779 *	0.895268807 *	0.887101266 *	0.837125072 **	
1562	1	0.933251967	0.984596814	0.849255237 **	0.896429989 *	0.857205593 **	0.836630419 **	
1563	1	1.003117944	1.009544925	0.862383412 **	0.877575018 **	0.905160224 *	0.846911737 **	
1570	1	0.886311154	0.992193481	0.774534503 **	0.733314227 **	0.814783606 *	0.711089124 **	
1579	1	1.035037927	1.023528964	1.191253648 **	1.442258341 **	1.422386348 **	1.069648553	
1596	1	1.006940679	0.980929553	1.240916935 **	1.20822614 **	1.252009 **	0.920681597	
1619	1	1.077214079	1.101491461	1.354108981 **	1.326743396 **	1.310155901 **	1.042621929	
1632	1	1.060098672	1.082132756	1.427906034 **	1.410060151 **	1.381717785 **	1.064252502	
1634	1	1.062376373	0.981975704	1.468082192 **	1.249272662 **	1.285084272 **	1.449639785 **	
1635	1	1.042331508	1.046406568	1.40612721 **	1.46051817 **	1.444687347 **	1.205757752 **	
1639	1	0.945145064	0.965782981	0.912162538 *	0.815506676 **	0.831607561 **	0.917458684 *	
1649	1	0.952368526	0.974736191	0.879760765 *	0.843222152 **	0.84504656 **	1.010410498	
1651	1	0.942614337	0.950846412	0.81615129 **	0.832928951 **	0.839077125 **	0.910592345 *	
1652	1	0.930831085	0.947500756	0.763113049 **	0.782195045 **	0.75553176 **	0.924039966	
1674	1	0.943360533	0.959413703	0.795568423 **	0.826796677 **	0.825032056 **	0.794598645 **	
1685	1	0.997300324	0.994918555	0.816477799 **	0.85507672 **	0.834951172 **	0.8956025 *	
1690	1	1.008932469	1.175099196 **	1.27411243 **	1.290051543 **	1.270197846 **	1.270961621 **	
1696	1	1.082084982	1.255809055 **	1.951958354 **	1.984567267 **	2.081671413 **	1.621377022 **	
1700	1	0.9408498	0.939118738	0.793316532 **	0.832910413 **	0.778941201 **	0.945103708	
1732	1	1.04037258	0.984403518	1.173346359 **	1.155931295 **	1.1146369 *	0.92248693	
1737	1	1.010190009	1.017618451	0.888372629 *	0.841507455 **	0.828898599 **	0.880070359 *	
1738	1	1.081334943	0.924325596	1.212688429 *	1.28716749 **	1.214709129 *	0.973213947	
1744	1	0.948819758	0.979779858	0.800039463 **	0.781475849 **	0.758539451 **	0.952963328	
1746	1	0.969702584	0.951376185	0.765781939 **	0.836801749 **	0.815090318 **	0.800785167 **	
1761	1	1.066365837	0.965254267	1.11419425	1.1338282	1.118161182	0.856923714	
1780	1	1.121937025	1.080254324	1.242252311 *	1.433775251 **	1.361278326 **	0.970360071	
1788	1	0.908344715	0.950383362	0.789534692 **	0.828520777 **	0.790764966 **	0.932984299	
1795	1	1.017465472	1.004701756	0.882587867 **	0.841103066 **	0.831001722 **	0.906801885 *	
1808	1	0.928037588	0.992600697	0.748682215 **	0.73632815 **	0.706124194 **	0.862059468	
1815	1	1.043021023	1.031312758	1.241887868 **	1.398553891 **	1.388978051 **	0.985471406	
1816	1	0.921936292	0.978685612	0.798104093 **	0.84621689 **	0.79527629 **	0.91150068	
1837	1	0.947179172	0.940508779	0.725970352 **	0.804649137 **	0.764703274 **	0.721989063 **	
1840	1	0.918096779	0.935346329	0.730125259 **	0.784043412 **	0.739978709 **	0.861795141	
1847	1	0.951899691	0.936819642	0.725273324 **	0.733821637 **	0.685712473 **	0.85792347 **	
1849	1	1.010627881	0.987507905	0.763191833 **	0.814143998 **	0.765484176 **	0.894625906	
1853	1	0.978307999	0.90952953	0.70297251 **	0.71003492 **	0.63511686 **	0.885428075	
1860	1	0.956074258	0.902584956 *	0.759138385 **	0.81173032 **	0.812488104 **	0.695381372 **	

1861	1	1.003639928	0.963048004	1.128754219 **	1.046534836	1.011247454	0.943637332 *
1869	1	0.950936889	0.973353554	0.813599262 **	0.829501369 **	0.869277422 *	0.90313366
1874	1	0.861412467 *	0.802574921 *	0.623445921 **	0.6023673 **	0.631928366 **	0.805001439 **
1881	1	1.012863863	0.990545498	0.836942119 **	0.85587483 **	0.827049671 **	0.908806443
1905	1	0.983956878	1.061640243	1.01939595	1.058160118	0.975955197	1.3212637 **
1914	1	1.079068318	0.998137627	0.980115881	0.951738214	0.911913968	0.747892385 **
1915	1	1.040943775	0.975830314	1.249204806 **	1.347194715 **	1.319610667 **	1.057213141
1916	1	0.957782882	0.974670999	1.353922016 **	1.428272497 **	1.440001562 **	1.096011292
1925	1	0.916282413	0.916823864	1.008854421	1.116654037	1.217028525 **	1.143218123
1930	1	0.928502769	0.975653432	1.15879075 *	1.089020767	1.062239984	1.373032333 **
1932	1	0.916808864	0.930303541	0.829399218 *	0.797239321 **	0.760144006 **	0.97973839
1942	1	0.962500739	0.923414356	0.796891658 **	0.795726492 **	0.767993296 **	0.88226844
1943	1	0.971116694	0.925852322	0.810242199 **	0.90706263	0.848501289 **	0.896784778
1946	1	0.997342089	0.989494655	0.915896082	0.859915101 **	0.862708616 **	0.993372161
1956	1	1.005350841	0.931952793	0.853250254 **	0.861226938 **	0.82892241 **	0.855708779 **
1969	1	0.999569846	1.192988692	1.69820783 **	1.691954853 **	1.667958529 **	2.098865432 **
1990	1	0.894790776	0.96495905	0.741087529 *	0.666424566 **	0.620475898 **	0.86271083
2014	1	0.951400268	0.908276845 *	0.655604521 **	0.688431619 **	0.661710103 **	1.058064853
2020	1	0.915972582 *	0.911235551 *	0.820732726 **	0.87127537 **	0.910480109 *	0.848636009 **
2029	1	1.026008343	0.971452704	0.739580146 **	0.770265545 **	0.720884804 **	0.948548516
2033	1	0.920011902	0.934060515	0.786971352 **	0.764576227 **	0.753110036 **	0.954278517
2036	1	0.983370683	0.924235521	0.72522246 **	0.746951624 **	0.713506479 **	0.855025002 *
2038	1	0.914825331	1.00104514	0.706631088 **	0.701558313 **	0.749965399 **	0.810274665 **
2044	1	0.948117831	0.952949095	0.705822564 **	0.714505288 **	0.698295097 **	0.830592552 **
2048	1	0.981689858	0.997044865	0.739898227 **	0.715167838 **	0.698292093 **	0.853793021 *
2060	1	0.945045183	0.944176822	0.834748984 **	0.867760268 *	0.861258661 *	0.827112898 **
2073	1	0.978235402	0.953200983	0.927403956	0.918028408	0.897840889	0.78232084 **
2075	1	1.038820829	0.992636787	1.254138157 **	1.209225276 **	1.204547239 **	1.0240087
2085	1	1.049338475	1.012061081	0.803773004 *	0.700381106 **	0.667010592 **	0.848883488
2087	1	0.943132231	0.985225625	0.801883134 *	0.787095022 **	0.807762217 *	0.994379071
2092	1	1.067088764	0.991985038	1.112794528	1.200528352 **	1.205118418 **	0.933227899
2095	1	1.046225123	1.004284945	0.831105463 *	0.826429162 *	0.745234231 **	0.991458033
2107	1	0.945917986	0.915779454	0.721734261 **	0.762477735 **	0.706365188 **	0.866676098
2108	1	1.058445381	0.964972422	1.06008411	1.096622223	1.076061184	0.838477884 **
2123	1	1.105271844	1.076963775	0.7869779 *	0.787194385 *	0.695265485 **	0.951735378
2124	1	0.894963907	0.912529674	0.760242912 **	0.783437346 **	0.80265351 **	0.886981425
2125	1	0.918759872	0.947113123	0.742367986 **	0.782688227 **	0.735427986 **	0.887938717 *
2138	1	0.955179692	0.945659146	0.777109844 *	0.797383974 *	0.765563475 **	0.864494571
2140	1	0.951503863	0.965351076	0.786813207 **	0.750646984 **	0.72911288 **	0.86782299 **
2144	1	0.992717494	0.92868078	0.837785341 *	0.843534387 *	0.77213643 **	0.926744342
2159	1	1.057012906	1.024063945	1.178749912 **	1.101049193	1.139218861 *	0.801995778 **
2167	1	0.990455139	1.019220822	0.768774721 **	0.763566549 **	0.811969868 *	0.888901665
2177	1	0.971949195	0.968460686	0.872586895 **	0.849394432 **	0.85077678 **	0.934764682
2193	1	1.029057353	0.946775496	0.826659652 *	0.839214544 *	0.769677046 **	0.952393339
2199	1	1.026717049	0.989420365	0.808651115 **	0.887280497	0.813227034 **	0.848492989 *
2207	1	0.987853842	0.961041975	0.751696278 **	0.798343726 *	0.805735886 *	0.751451419 *
2210	1	0.920995514	1.032163779	0.707191386 **	0.805966723 **	0.808543319 **	1.015941041
2237	1	0.949928688	0.964996106	0.760299477 **	0.789868947 **	0.761939803 **	0.867118488 *
2249	1	0.989445804	0.998513301	1.057673349	1.022154973	1.082021005	0.76625271 **
2262	1	0.907186706	0.902928282	0.735115511 **	0.751807793 **	0.713030139 **	0.918055654
2267	1	0.916586318	1.013837462	0.797892448 **	0.875812482 *	0.83741585 **	1.006959622
2283	1	0.984013283	0.991204561	0.817415054 **	0.811951918 **	0.812205832 **	0.848684117 **
2289	1	0.967134108	0.992201362	0.799109954 **	0.842702765 *	0.837880774 *	0.921403718
2290	1	1.003314716	1.0232075	0.854505874 **	0.877761343 *	0.867892772 *	0.936255707
2294	1	0.978268953	0.990121106	0.820006088 **	0.842422924 **	0.822570474 **	0.868571607 **
2300	1	0.955207945	0.91762332	0.827944101 **	0.839307659 **	0.791266267 **	0.885301049 *
2307	1	0.879295768 *	0.907909543	0.741509691 **	0.727928157 **	0.745377136 **	0.949532996
2309	1	0.921434817	0.980844441	0.710544907 **	0.705484097 **	0.712438472 **	0.864551471 **
2321	1	1.019390379	0.920121733	0.966619636	1.027202992	1.050594201	0.800567674 **
2330	1	0.974387501	0.987626873	0.766357715 **	0.833896531 **	0.833775681 **	0.889718512
2331	1	0.885513231 *	1.002097299	0.716495792 **	0.722008312 **	0.781897167 **	0.76343078 **
2333	1	0.886770104	0.931270199	0.744706582 **	0.846371467	0.853139216	1.049982498
2334	1	0.996457617	0.913991487	1.267115666 **	1.333716748 **	1.447853277 **	1.024324437
2345	1	0.986408324	0.971001078	1.367711167 **	1.354661888 **	1.371118312 **	1.035188426

2356	1	0.926418349	0.961587599	0.709666196 **	0.720605719 **	0.671035976 **	0.880526115 *
2365	1	1.002280971	1.045749993	1.320797281 **	1.229150642 **	1.215813488 **	0.966036947
2366	1	0.962982256	0.907166495 *	0.98531294	0.850257378 **	0.835748587 **	0.959484609
2368	1	0.95478015	1.14951964 *	1.693194016 **	1.744821939 **	1.98740848 **	1.468099934 **
2372	1	1.037770319	1.412025792 *	2.377484431 **	2.479273466 **	2.637947134 **	2.108662084 **
2378	1	1.054506403	1.461588971 **	2.062888857 **	1.797087347 **	1.693574337 **	1.62090956 **
2382	1	0.978062291	1.42507559 **	1.900307374 **	1.816275101 **	1.75307431 **	1.646572245 **
2385	1	0.979305883	0.994065834	1.204195076 **	1.142243395 **	1.173249624 **	1.111782408 *
2395	1	0.960358168	0.980434317	0.862103439 **	0.885961602 *	0.845914659 **	1.005415379
2396	1	0.988735826	0.994475419	0.834310338 **	0.821872266 **	0.841081086 **	0.863517299 *
2403	1	0.944160558	1.019433996	0.855744766 **	0.861833575 **	0.855552524 **	0.898957388
2406	1	0.910289133	0.913711191 *	0.733286608 **	0.758919904 **	0.749558536 **	0.908609027
2412	1	0.927481072	1.309500961 **	1.663209649 **	1.586228504 **	1.583875034 **	1.41583467 **
2420	1	0.934702028	1.01231586	0.799825426 **	0.787292245 **	0.761689007 **	0.967993492
2450	1	0.978538492	1.003653922	0.803878291 **	0.818636815 **	0.84162512 **	0.917508245
2455	1	0.929763363	0.980875266	0.831143036 **	0.868597113 *	0.85718655 **	0.945613672
2462	1	0.949839337	0.937768081	0.811104307 **	0.837141481 **	0.82377987 **	0.890118742 *
2472	1	0.982323953	0.961304962	0.831989969 **	0.878957555 *	0.8509144 **	0.924383895
2475	1	0.987422887	0.874406308	1.140512849	1.459924342 **	1.31584943 **	1.079175135
2477	1	1.00265394	0.974206744	0.843673849 **	0.908980091 *	0.883524503 **	1.005816522
2482	1	0.94619354	0.977431671	0.768171888 **	0.819554173 **	0.816403803 **	0.871043168 *
2492	1	1.028703759	0.995836765	1.200900586 **	1.153682458 *	1.147406098 *	0.948834736
2493	1	0.916069578	0.961187119	0.789057676 **	0.901452534	0.844178163 *	1.013096546
2494	1	0.970042836	0.99852025	0.781918186 **	0.774787374 **	0.765182578 **	0.846329165 *
2498	1	1.045015026	1.006032433	0.823208071	0.793292387 *	0.742555313 **	0.960791016
2502	1	0.979263028	0.985211797	1.12563672 **	1.135864645 **	1.101448551 *	1.016121069
2541	1	1.146059678	1.109758632	1.37957701 **	1.483632669 **	1.265334543 *	1.079180394
2550	1	0.884677173	0.904744261	0.62049134 **	0.594001086 **	0.607665373 **	0.817951548 **
2563	1	0.959783573	0.972686153	0.823475423 **	0.846506255 *	0.807703186 **	0.90874489
2566	1	0.93071974	1.027742819	0.825209225 **	0.730180516 **	0.766189365 **	0.924181582

The mean ratios of identified spots between control and inhibitor–treated cells are listed. Non–repeated measures ANOVA and Dunnet's test for post hoc analysis were performed. Asterisks indicate significant differences from respective controls (*P < 0.05, ** P < 0.01).

Table S2. Identified Spots by Peptide Mass Fingerprinting (PMF)

Master No.	Accession No. of Swiss-Prot	Gene	Protein Name	Score	Sequence Coverage (%)
647	P08238	*HSP90AB1*	Heat shock protein HSP 90-beta	105	39
713	P13639	*EEF2*	Elongation factor 2	175	40
714	P13639	*EEF2*	Elongation factor 2	170	37
970	P02545	*LMNA*	Lamin-A/C	325	53
971	P11021	*HSPA5*	78 kDa glucose-regulated protein precursor (GRP78)	179	31
983	P11021	*HSPA5*	78 kDa glucose-regulated protein precursor (GRP78)	237	44
987	P02545	*LMNA*	Lamin-A/C	158	32
998	P38646	*HSPA9B*	Stress-70 protein, mitochondrial precursor	192	47
1114	P08107	*HSPA1B*	Heat shock 70 kDa protein 1 (HSP70)	129	26
1127	P08107	*HSPA1B*	Heat shock 70 kDa protein 1 (HSP70)	195	44
1227	P61978	*HNRNPK*	Heterogeneous nuclear ribonucleoprotein K	176	41
1295	P10809	*HSPD1*	60 kDa heat shock protein, mitochondrial precursor	270	69
1429	Q01518	*CAP1*	Adenylyl cyclase-associated protein 1	104	29
1484	Q16658	*FSCN1*	Fascin	157	38
1579	Q15084	*PDIA6*	Protein disulfide-isomerase A6 precursor	66	32
1758	P02571/ P60709	*ACTG1/ ACTB*	Actin, cytoplasmic 2 / 1	160	68
1767	P02571	*ACTG1*	Actin, cytoplasmic 2	135	55
2014	P52895	*AKR1C2*	Aldo-keto reductase family 1 member C2	136	50
2372	P04792	*HSPB1*	Heat-shock protein beta-1 (HSP27)	92	56
2382	P04792	*HSPB1*	Heat-shock protein beta-1 (HSP27)	128	40

Selected protein spots were digested with trypsin and identified by PMF as described in Materials and Methods. The Mascot search program was used to search the Swiss-Prot database for peptide masses.

Methods for Table S2

Protein Determination by Peptide Mass Fingerprinting (PMF)

To identify the protein in the spots, we performed PMF with matrix-assisted laser desorption/ionization time-of-flight (MALDI-TOF) mass analysis with a slight modification (Kanoh, et al., 2005). After HeLa cell lysates (500 μg of protein) were subjected to two-dimensional electrophoresis, the gels were stained with SYPRO Ruby (Invitrogen, Carlsbad, CA) according to the manufacturer's protocol. Spot maps of the images were matched to the master gel image using the DIA and BVA modules of DeCyder 6.5.

The protein-containing region was picked using an Ettan Spot Picker (GE Healthcare) and washed successively with water, decolorant (50% acetonitrile and 50 mM NH_4HCO_3), and acetonitrile. The samples were then dried *in vacuo*. An aqueous alkylating solution (100 mM iodoacetamide and 100 mM NH_4HCO_3) was added to the dried gels, and the mixture was incubated at 37°C for 30 min. The gels were then washed with 100 mM NH_4HCO_3 solution, dehydrated with acetonitrile, and dried *in vacuo*. The dried gels were seeded in digestion buffer (10 mM Tris-HCl (pH 8.8) and 25 ng/mL trypsin) at 4°C for 30 min and incubated at 37°C overnight.

Samples were analyzed using a Bruker Reflex II MALDI-TOF mass spectrometer, operated in the positive ion reflector mode. Here, α-Cyano-4-hydroxycinnamic acid (10 mg/mL) dissolved in 50% acetnitrile/0.1% trifluoroacetic acid was used as the matrix. The Mascot search program (Matrix Science Inc., Boston, MA) was used to search the Swiss-Prot database for peptide masses.

Reference

Kanoh, N., Honda, K., Simizu, S., Muroi, M., and Osada, H. (2005). Photo-cross-linked small molecule affinity matrix for facilitating foward and reverse chemical genetics. Angew. Chem. Int. Ed. *44*, 3559-3562.

Results of protein determination by PMF

Search Parameters on MASCOT Peptide Mass Fingerprint

Type of search : Peptide Mass Fingerprint
Database : SwissProt
Taxonomy : Homo sapiens (human)
Enzyme : Trypsin
Fixed modifications : Carbamidomethyl (C)
Variable modifications : Oxidation (M)
Mass values : Monoisotopic
Protein Mass : Unrestricted
Peptide Mass Tolerance : ± 150 ppm
Peptide Charge State : 1+
Max Missed Cleavages : 1

Master No. 647

Match to: HS90B_HUMAN
Score: 105
Expect: 5e-007
Heat shock protein HSP 90-beta

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
822.3542	821.3469	821.3953	−58.8	1	553	–	559	K.MEESKAK.F	
829.4785	828.4712	828.5221	−61.5	0	331	–	337	R.ALLFIPR.R	
901.4813	900.474	900.5181	−49	0	285	–	291	K.TKPIWTR.N	
951.4318	950.4245	950.457	−34.1	0	169	–	177	R.ADHGEPIGR.G	
1045.5406	1044.5333	1044.5927	−56.9	1	575	–	583	K.VEKVTISNR.L	
1080.5049	1079.4976	1079.5287	−28.8	0	339	–	347	R.APFDLFENK.K	
1141.5443	1140.537	1140.5523	−13.4	0	439	–	448	K.LGIHEDSTNR.R	
1151.5483	1150.541	1150.5506	−8.33	0	276	–	284	K.YIDQEELNK.T	
1194.6359	1193.6286	1193.6404	−9.87	0	73	–	82	K.IDIIPNPQER.T	
1236.6296	1235.6223	1235.6299	−6.11	1	338	–	347	R.RAPFDLFENK.K	
1249.6087	1248.6014	1248.6098	−6.78	0	492	–	502	K.EQVANSAFVER.V	
1264.6377	1263.6304	1263.4934	108	0	613	–	623	R.DNSTMGYMMAK.K	Oxidation
1311.5646	1310.5573	1310.5626	−4.06	0	187	–	196	K.EDQTEYLEER.R	
1348.6625	1347.6552	1347.6572	−1.42	0	320	–	330	K.HFSVEGQLEFR.A	
1513.7787	1512.7714	1512.7784	−4.59	0	379	–	392	R.GVVDSEDLPLNISR.E	
1527.7434	1526.7362	1526.7365	−0.24	0	307	–	319	K.SLTNDWEDHLAVK.H	
1782.9398	1781.9325	1781.9424	−5.57	0	625	–	639	K.HLEINPDHPIVETLR.Q	
1808.9517	1807.9444	1807.9509	−3.55	0	205	–	219	K.HSQFIGYPITLYLEK.E	
1847.7891	1846.7818	1846.7897	−4.29	0	292	–	306	R.NPDDITQEEYGEFYK.S	
2192.9625	2191.9552	2191.9328	10.2	0	457	–	475	R.YHTSQSGDEMTSLSEYVSR.M	Oxidation
2255.9538	2254.9466	2254.9516	−2.21	0	149	–	168	K.HNDDEQYAWESSAGGSFTVR.A	
2448.1561	2447.1488	2447.1389	4.07	0	507	–	526	R.GFEVVYMTEPIDEYCVQQLK.E	

Master No. 713

Match to: EF2_HUMAN
Score: 175
Expect: 5e-014
Elongation factor 2

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
890.5946	889.5874	889.5022	95.8	0	499	–	506	K.FSVSPVVR.V	
912.5057	911.4984	911.4092	97.9	1	253	–	259	K.VEDMMKK.L	2 Oxidation
922.5402	921.5329	921.4556	83.9	0	573	–	580	K.SDPVVSYR.E	
969.6474	968.6401	968.5403	103	0	717	–	726	R.GGGQIIPTAR.R	
1013.618	1012.6107	1012.4938	116	0	240	–	249	K.GEGQLGPAER.A	
1091.7091	1090.7019	1090.5771	114	0	2	–	10	M.VNFTVDQIR.A	
1100.6478	1099.6405	1099.5372	93.9	0	300	–	308	K.VFDAIMNFK.K	Oxidation
1107.7217	1106.7144	1106.6336	73	0	416	–	426	R.VFSGLVSTGLK.V	
1138.6682	1137.6609	1137.5666	82.9	1	273	–	283	K.FSKSATSPEGK.K	
1224.6582	1223.6509	1223.491	131	0	689	–	698	K.EGALCEENMR.G	Oxidation
1274.8566	1273.8493	1273.703	115	0	440	–	449	K.EDLYLKPIQR.T	
1308.8132	1307.8059	1307.651	118	0	677	–	688	K.DSVVAGFQWATK.E	
1323.7849	1322.7776	1322.6401	104	0	21	–	32	R.NMSVIAHVDHGK.S	Oxidation
1378.8767	1377.8695	1377.7075	118	0	728	–	739	R.CLYASVLTAQPR.L	
1402.9566	1401.9493	1401.798	108	1	439	–	449	K.KEDLYLKPIQR.T	
1444.8787	1443.8714	1443.7609	76.6	1	846	–	858	K.EGIPALDNFLDKL.-	
1543.935	1542.9278	1542.7678	104	0	606	–	619	K.ARPFPDGLAEDIDK.G	
1567.9209	1566.9137	1566.7712	90.9	1	560	–	572	K.DLEEDHACIPIKK.S	
1615.9789	1614.9716	1614.7573	133	0	482	–	495	K.TGTITTFEHAHNMR.V	
1631.9023	1630.8951	1630.7522	87.6	0	482	–	495	K.TGTITTFEHAHNMR.V	Oxidation
1800.0608	1799.0535	1798.889	91.5	0	786	–	801	K.AYLPVNESFGFTADLR.S	
1978.0884	1977.0811	1976.9666	57.9	0	768	–	785	R.GHVFEESQVAGTPMFVVK.A	Oxidation
2143.2056	2142.1984	2142.0705	59.7	1	606	–	625	K.ARPFPDGLAEDIDKGEVSAR.Q	
2204.229	2203.2217	2203.1048	53	0	72	–	90	K.STAISLFYELSENDLNFIK.Q	
2220.308	2219.3007	2219.1474	69.1	0	163	–	180	R.ALLELQLEPEELYQTFQR.I	
2233.2816	2232.2743	2232.1249	66.9	1	648	–	667	R.KIWCFGPDGTGPNILTDITK.G	
2343.1946	2342.1874	2342.0558	56.2	1	367	–	386	K.YRCELLYEGPPDDEAAMGIK.S	Oxidation
2576.4418	2575.4345	2575.3219	43.7	1	288	–	308	R.TFCQLILDPIFKVFDAIMNFK.K	Oxidation
2801.5756	2800.5684	2800.4032	59	0	94	–	120	K.DGAGFLINLIDSPGHVDFSSEVTAALR.V	

Master No. 714

Match to: EF2_HUMAN
Score: 170
Expect: 1.6e-013
Elongation factor 2

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
890.4837	889.4764	889.5022	−29	0	499	–	506	K.FSVSPVVR.V	
911.3738	910.3665	910.4185	−57.1	0	265	–	272	R.YFDPANGK.F	
922.4431	921.4358	921.4556	−21.4	0	573	–	580	K.SDPVVSYR.E	
969.5122	968.5049	968.5403	−36.6	0	717	–	726	R.GGGQIIPTAR.R	
1013.4999	1012.4926	1012.4938	−1.12	0	240	–	249	K.GEGQLGPAER.A	
1063.494	1062.4867	1062.5709	−79.2	0	668	–	676	K.GVQYLNEIK.D	
1091.5628	1090.5555	1090.5771	−19.8	0	2	–	10	M.VNFTVDQIR.A	
1100.5006	1099.4934	1099.5372	−39.9	0	300	–	308	K.VFDAIMNFK.K	Oxidation
1102.4901	1101.4829	1101.5165	−30.5	0	227	–	235	K.QFAEMYVAK.F	Oxidation
1107.5846	1106.5774	1106.6336	−50.8	0	416	–	426	R.VFSGLVSTGLK.V	
1138.4985	1137.4912	1137.5091	−15.7	0	639	–	647	K.YEWDVAEAR.K	
1274.6997	1273.6924	1273.703	−8.34	0	440	–	449	K.EDLYLKPIQR.T	
1378.7096	1377.7023	1377.7075	−3.73	0	728	–	739	R.CLYASVLTAQPR.L	
1402.7352	1401.728	1401.798	−49.9	1	439	–	449	K.KEDLYLKPIQR.T	
1444.6814	1443.6741	1443.7609	−60.1	1	846	–	858	K.EGIPALDNFLDKL.-	
1475.7222	1474.7149	1474.7822	−45.6	1	151	–	162	R.IKPVLMMNKMDR.A	
1494.7169	1493.7097	1493.7952	−57.3	0	288	–	299	R.TFCQLILDPIFK.V	
1631.6991	1630.6918	1630.7522	−37	0	482	–	495	K.TGTITTFEHAHNMR.V	Oxidation
1799.8376	1798.8304	1798.889	−32.6	0	786	–	801	K.AYLPVNESFGFTADLR.S	
2142.9783	2141.971	2142.0705	−46.5	1	606	–	625	K.ARPFPDGLAEDIDKGEVSAR.Q	
2203.9784	2202.9712	2203.1048	−60.7	0	72	–	90	K.STAISLFYELSENDLNFIK.Q	
2220.0725	2219.0653	2219.1474	−37	0	163	–	180	R.ALLELQLEPEELYQTFQR.I	
2576.2287	2575.2214	2575.2986	−30	0	121	–	144	R.VTDGALVVVDCVSGVCVQTETVLR.Q	
2801.3551	2800.3478	2800.4032	−19.8	0	94	–	120	K.DGAGFLINLIDSPGHVDFSSEVTAALR.V	
3005.5046	3004.4973	3004.5402	−14.3	0	740	–	765	R.LMEPIYLVEIQCPEQVVGGIYGVLNR.K	Oxidation

Master No. 970

Match to: LMNA_HUMAN
Score: 325
Expect: 5e-029
Lamin-A/C

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	-	End	Sequence	Methionine oxidation
807.4807	806.4734	806.4286	55.5	1	109	-	114	K.VREEFK.E	
849.5269	848.5196	848.4756	51.9	0	42	-	48	R.LAVYIDR.V	
859.4774	858.4701	858.4308	45.9	1	190	-	196	R.RVDAENR.L	
919.4682	918.4609	918.4308	32.8	0	428	-	435	R.SSFSQHAR.T	
949.5205	948.5133	948.4876	27.1	1	420	-	427	R.KLESTESR.S	
974.4986	973.4913	973.4716	20.3	0	379	-	386	K.LLEGEEER.L	
1023.5209	1022.5137	1022.5032	10.2	0	209	-	216	K.NIYSEELR.E	
1028.5871	1027.5799	1027.5662	13.3	0	241	-	249	R.LADALQELR.A	
1029.7433	1028.736	1028.5866	145	1	172	-	181	K.LEAALGEAKK.Q	
1043.558	1042.5507	1042.5407	9.6	0	124	-	133	K.EGDLIAAQAR.L	
1048.5154	1047.5082	1047.5019	6.01	0	182	-	189	K.QLQDEMLR.R	Oxidation
1089.5589	1088.5516	1088.5462	5.02	0	51	-	60	R.SLETENAGLR.L	
1131.5159	1130.5086	1130.5204	−10.4	0	33	-	41	K.EDLQELNDR.L	
1148.5728	1147.5655	1147.5721	−5.69	0	63	-	72	R.ITESEEVVSR.E	
1165.5385	1164.5312	1164.5411	−8.46	0	79	-	89	K.AAYEAELGDAR.K	
1171.6189	1170.6117	1170.6357	−20.5	1	123	-	133	K.KEGDLIAAQAR.L	
1176.6005	1175.5932	1175.5968	−3.08	1	181	-	189	K.KQLQDEMLR.R	Oxidation
1182.5943	1181.587	1181.604	−14.4	0	157	-	166	R.TLEGELHDLR.G	
1187.6207	1186.6134	1186.6306	−14.5	1	320	-	329	K.LRDLEDSLAR.E	
1243.6975	1242.6902	1242.7183	−22.6	1	134	-	144	R.LKDLEALLNSK.E	
1291.5899	1290.5826	1290.6204	−29.3	0	472	-	482	R.QNGDDPLLTYR.F	
1293.7084	1292.7012	1292.636	50.4	1	79	-	90	K.AAYEAELGDARK.T	
1331.625	1330.6177	1330.6703	−39.5	0	367	-	377	K.LALDMEIHAYR.K	
1347.6241	1346.6169	1346.6652	−35.9	0	367	-	377	K.LALDMEIHAYR.K	Oxidation
1359.645	1358.6377	1358.679	−30.4	0	12	-	25	R.SGAQASSTPLSPTR.I	
1363.576	1362.5687	1362.6099	−30.2	0	516	-	527	K.AQNTWGCGNSLR.T	
1430.7239	1429.7167	1429.7776	−42.7	0	299	-	311	R.IDSLSAQLSQLQK.Q	
1502.6455	1501.6382	1501.7161	−51.9	1	250	-	261	R.AQHEDQVEQYKK.E	
1507.6597	1506.6524	1506.7348	−54.7	0	528	-	541	R.TALINSTGEEVAMR.K	Oxidation
1525.6828	1524.6755	1524.7494	−48.4	1	197	-	208	R.LQTMKEELDFQK.N	Oxidation
1566.67	1565.6627	1565.7434	−51.6	0	628	-	644	R.SVGGSGGGSFGDNLVTR.S	
1605.7232	1604.7159	1604.8046	−55.3	1	440	-	453	R.VAVEEVDEEGKFVR.L	
1629.7149	1628.7077	1628.8005	−57	1	29	-	41	R.LQEKEDLQELNDR.L	
1752.7387	1751.7314	1751.855	−70.6	0	281	-	296	R.NSNLVGAAHEELQQSR.I	
1794.6848	1793.6775	1793.8002	−68.4	1	456	-	470	R.NKSNEDQSMGNWQIK.R	Oxidation
2364.9714	2363.9642	2364.1517	−79.3	0	598	-	624	K.ASASGSGAQVGGPISSGSSASSVTVTR.S	

Master No. 971

Match to: GRP78_HUMAN
Score: 179
Expect: 2.5e-014
78 kDa glucose-regulated protein

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
919.4897	918.4824	918.4633	20.8	0	262	–	268	R.VMEHFIK.L	Oxidation
986.5055	985.4982	985.508	−9.96	0	533	–	540	R.LTPEEIER.M	
997.5076	996.5003	996.5101	−9.81	0	298	–	306	R.ALSSQHQAR.I	
1074.5372	1073.53	1073.5465	−15.4	0	524	–	532	K.ITITNDQNR.L	
1191.591	1190.5838	1190.6295	−38.4	0	465	–	474	K.VYEGERPLTK.D	
1210.5304	1209.5231	1209.5778	−45.2	1	377	–	386	K.EFFNGKEPSR.G	
1228.5744	1227.5672	1227.6207	−43.7	0	50	–	60	R.VEIIANDQGNR.I	
1313.5233	1312.516	1312.6122	−73.3	0	327	–	336	K.FEELNMDLFR.S	
1316.5674	1315.5602	1315.6295	−52.7	0	563	–	573	R.NELESYAYSLK.N	
1329.5497	1328.5425	1328.6071	−48.6	0	327	–	336	K.FEELNMDLFR.S	Oxidation
1460.6585	1459.6512	1459.7518	−68.9	0	354	–	367	K.SDIDEIVLVGGSTR.I	
1512.6002	1511.5929	1511.7442	−100	1	325	–	336	R.AKFEELNMDLFR.S	
1528.5947	1527.5874	1527.7391	−99.3	1	325	–	336	R.AKFEELNMDLFR.S	Oxidation
1566.6647	1565.6574	1565.7726	−73.5	0	61	–	74	R.ITPSYVAFTPEGER.L	
1588.7337	1587.7264	1587.8468	−75.8	1	353	–	367	K.KSDIDEIVLVGGSTR.I	
1604.7575	1603.7502	1603.857	−66.6	0	124	–	138	K.TKPYIQVDIGGGQTK.T	
1677.6776	1676.6703	1676.8006	−77.7	0	82	–	96	K.NQLTSNPENTVFDAK.R	
1815.8203	1814.8131	1814.989	−96.9	1	198	–	214	R.IINEPTAAAIAYGLDKR.E	
1887.7987	1886.7914	1886.9639	−91.4	0	165	–	181	K.VTHAVVTVPAYFNDAQR.Q	
1933.8342	1932.8269	1933.0058	−92.5	0	475		492	K.DNHLLGTFDLTGIPPAPR.G	
1974.7242	1973.7169	1973.9007	−93.1	0	602		617	K.IEWLESHQDADIEDFK.A	
2164.7698	2163.7625	2163.9848	−103	0	307		324	R.IEIESFYEGEDFSETLTR.A	
2175.7792	2174.7719	2174.9855	−98.2	1	634		654	K.LYGSAGPPPTGEEDTAEKDEL.	

Master No. 983

Match to: GRP78_HUMAN (P11021)
Score: 237
Expect: 3.1e-020
78 kDa glucose-regulated protein precursor

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
1228.6066	1227.5994	1227.6207	−17	0	50	–	60	R.VEIIANDQGNR.I	
1566.7173	1565.71	1565.7726	−40	0	61	–	74	R.ITPSYVAFTPEGER.L	
1677.736	1676.7288	1676.8006	−43	0	82	–	96	K.NQLTSNPENTVFDAK.R	
1430.6339	1429.6266	1429.6838	−40	0	102	–	113	R.TWNDPSVQQDIK.F	
1604.7912	1603.784	1603.857	−46	0	124	–	138	K.TKPYIQVDIGGGQTK.T	
1887.8754	1886.8682	1886.9639	−51	0	165	–	181	K.VTHAVVTVPAYFNDAQR.Q	
1217.6106	1216.6033	1216.6234	−17	0	186	–	197	K.DAGTIAGLNVMR.I	
1233.5924	1232.5851	1232.6183	−27	0	186	–	197	K.DAGTIAGLNVMR.I	Oxidation
1815.9044	1814.8972	1814.989	−51	1	198	–	214	R.IINEPTAAAIAYGLDKR.E	
919.476	918.4687	918.4633	6	0	262	–	268	R.VMEHFIK.L	Oxidation
997.5293	996.522	996.5101	12	0	298	–	306	R.ALSSQHQAR.I	
2164.887	2163.8797	2163.9848	−49	0	307	–	324	R.IEIESFYEGEDFSETLTR.A	
1512.6971	1511.6899	1511.7442	−36	1	325	–	336	R.AKFEELNMDLFR.S	
1528.6851	1527.6778	1527.7391	−40	1	325	–	336	R.AKFEELNMDLFR.S	Oxidation
1313.5831	1312.5758	1312.6122	−28	0	327	–	336	K.FEELNMDLFR.S	
1329.5624	1328.5552	1328.6071	−39	0	327	–	336	K.FEELNMDLFR.S	Oxidation
1588.7828	1587.7755	1587.8468	−45	1	353	–	367	K.KSDIDEIVLVGGSTR.I	
1460.7055	1459.6982	1459.7518	−37	0	354	–	367	K.SDIDEIVLVGGSTR.I	
1210.561	1209.5537	1209.5778	−20	1	377	–	386	K.EFFNGKEPSR.G	
1836.8961	1835.8888	1835.9265	−21	0	448	–	464	K.SQIFSTASDNQPTVTIK.V	
1191.6131	1190.6058	1190.6295	−20	0	465	–	474	K.VYEGERPLTK.D	
1933.9149	1932.9076	1933.0058	−51	0	475	–	492	K.DNHLLGTFDLTGIPPAPR.G	
1074.5433	1073.536	1073.5465	−10	0	524	–	532	K.ITITNDQNR.L	
986.5213	985.5141	985.508	6	0	533	–	540	R.LTPEEIER.M	
1316.5939	1315.5866	1315.6295	−33	0	563	–	573	R.NELESYAYSLK.N	
1974.8067	1973.7995	1973.9007	−51	0	602	–	617	K.IEWLESHQDADIEDFK.A	
2175.9134	2174.9062	2174.9855	−36	1	634	–	654	K.LYGSAGPPPTGEEDTAEKDEL.-	

Master No. 987

Match to: LMNA_HUMAN
Score: 158
Expect: 2.5e-012
Lamin-A/C (70 kDa lamin)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start –	End	Sequence	Methionine oxidation
1023.6618	1022.6545	1022.5032	0	148	209 –	216	K.NIYSEELR.E	
1028.7189	1027.7117	1027.5662	0	142	241 –	249	R.LADALQELR.A	
1165.7018	1164.6945	1164.5411	0	132	79 –	89	K.AAYEAELGDAR.K	
1171.7955	1170.7883	1170.6357	1	130	226 –	235	R.LVEIDNGKQR.E	
1182.781	1181.7737	1181.604	0	144	157 –	166	R.TLEGELHDLR.G	
1187.7893	1186.782	1186.6306	1	128	320 –	329	K.LRDLEDSLAR.E	
1243.885	1242.8777	1242.7183	1	128	134 –	144	R.LKDLEALLNSK.E	
1291.8011	1290.7939	1290.6204	0	134	472 –	482	R.QNGDDPLLTYR.F	
1293.8117	1292.8045	1292.636	1	130	79 –	90	K.AAYEAELGDARK.T	
1347.8375	1346.8303	1346.6652	0	123	367 –	377	K.LALDMEIHAYR.K	Oxidation
1475.9613	1474.954	1474.7602	1	131	367 –	378	K.LALDMEIHAYRK.L	Oxidation
1502.9197	1501.9125	1501.7161	1	131	250 –	261	R.AQHEDQVEQYKK.E	
1507.9326	1506.9253	1506.7348	0	126	528 –	541	R.TALINSTGEEVAMR.K	Oxidation
1525.9553	1524.948	1524.7494	1	130	197 –	208	R.LQTMKEELDFQK.N	Oxidation
1566.9693	1565.962	1565.7434	0	140	628 –	644	R.SVGGSGGGSFGDNLVTR.S	
1606.0389	1605.0316	1604.8046	1	141	440 –	453	R.VAVEEVDEEGKFVR.L	
1630.0424	1629.0351	1628.8005	1	144	29 –	41	R.LQEKEDLQELNDR.L	
1666.1317	1665.1245	1664.8846	1	144	157 –	171	R.TLEGELHDLRGQVAK.L	
1700.2207	1699.2134	1698.9628	1	147	297 –	311	R.IRIDSLSAQLSQLQK.Q	
1761.1529	1760.1457	1759.8893	1	146	472 –	486	R.QNGDDPLLTYRFPPK.F	
1910.2012	1909.1939	1908.9139	0	147	352 –	366	R.MQQQLDEYQELLDIK.L	Oxidation

Master No. 998

Match to: GRP75_HUMAN
Score: 192
Expect: 9.9e-016
Stress-70 protein, mitochondrial precursor

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	-	End	Sequence	Methionine oxidation
938.4454	937.4381	937.4253	13.6	1	568	-	574	K.YAEEDRR.K	
958.5312	957.5239	957.4879	37.5	0	77	-	85	K.VLENAEGAR.T	
1045.5718	1044.5645	1044.5314	31.7	1	647	-	654	K.LFEMAYKK.M	Oxidation
1149.5528	1148.5455	1148.5462	-0.62	1	127	-	135	R.RYDDPEVQK.D	
1242.6713	1241.664	1241.6728	-7.08	0	207	-	218	K.DAGQISGLNVLR.V	
1290.6784	1289.6711	1289.6728	-1.33	0	395	-	405	K.VQQTVQDLFGR.A	
1333.6244	1332.6171	1332.631	-10.4	0	176	-	187	K.ETAENYLGHTAK.N	
1341.5991	1340.5918	1340.6109	-14.3	0	147	-	159	R.ASNGDAWVEAHGK.L	
1361.7404	1360.7331	1360.7351	-1.46	0	349	-	360	R.AQFEGIVTDLIR.R	
1446.7644	1445.7571	1445.7548	1.57	0	378	-	391	K.SDIGEVILVGGMTR.M	
1450.719	1449.7118	1449.71	1.22	0	86	-	99	R.TTPSVVAFTADGER.L	
1462.7538	1461.7466	1461.7497	-2.18	0	378	-	391	K.SDIGEVILVGGMTR.M	Oxidation
1568.8018	1567.7946	1567.7631	20.1	0	108	-	121	R.QAVTNPNNTFYATK.R	
1592.9679	1591.9606	1591.945	9.8	0	499	-	513	K.LLGQFTLIGIPPAPR.G	
1608.7877	1607.7804	1607.7613	11.9	1	174	-	187	K.MKETAENYLGHTAK.N	Oxidation
1645.9021	1644.8948	1644.8723	13.7	0	219	-	234	R.VINEPTAAALAYGLDK.S	
1694.8744	1693.8671	1693.8424	14.6	0	188	-	202	K.NAVITVPAYFNDSQR.Q	
1808.938	1807.9307	1807.8952	19.6	0	469	-	485	K.SQVFSTAADGQTQVEIK.V	
1872.9269	1871.9197	1871.8935	14	0	579	-	595	R.VEAVNMAEGIIHDTETK.M	Oxidation
2055.992	2054.9847	2054.9545	14.7	0	266	-	284	K.STNGDTFLGGEDFDQALLR.H	
2233.1458	2232.1385	2232.0982	18.1	1	626	-	646	K.DSETGENIRQAASSLQQASLK.L	
2251.2585	2250.2512	2250.2148	16.2	0	239	-	259	K.VIAVYDLGGGTFDISILEIQK.G	
2309.25	2308.2427	2308.2063	15.8	0	514	-	535	R.GVPQIEVTFDIDANGIVHVSAK.D	
2658.3024	2657.2951	2657.22	28.3	0	317	-	340	K.CELSSSVQTDINLPYLTMDSSGPK.H	Oxidation

Master No. 1114

Match to: HSP71_HUMAN (P08107)
Score: 129
Expect: 2e-009
Heat shock 70 kDa protein 1 (HSP70.1)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
1228.5866	1227.5794	1227.6207	−34	0	26	–	36	K.VEIIANDQGNR.T	
1487.6169	1486.6096	1486.694	−57	0	37	–	49	R.TTPSYVAFTDTER.L	
1658.7357	1657.7285	1657.8424	−69	0	57	–	71	K.NQVALNPQNTVFDAK.R	
1197.6365	1196.6292	1196.6877	−49	0	160	–	171	K.DAGVIAGLNVLR.I	
1687.8165	1686.8092	1686.894	−50	0	172	–	187	R.IINEPTAAAIAYGLDR.T	
1675.6449	1674.6376	1674.7234	−51	0	221	–	236	K.ATAGDTHLGGEDFDNR.L	
1417.6794	1416.6721	1416.7514	−56	1	237	–	247	R.LVNHFVEEFKR.K	
2981.5576	2980.5504	2980.4553	32	0	273	–	299	R.TLSSSTQASLEIDSLFEGIDFYTSITR.A	
1542.6492	1541.642	1541.7296	−57	1	300	–	311	R.ARFEELCSDLFR.S	
1315.5437	1314.5365	1314.5914	−42	0	302	–	311	R.FEELCSDLFR.S	
1465.7337	1464.7264	1464.8049	−54	0	329	–	342	K.AQIHDLVLVGGSTR.I	
1109.5372	1108.5299	1108.5665	−33	0	349	–	357	K.LLQDFFNGR.D	
801.4184	800.4111	800.414	−4	0	452	–	458	K.DNNLLGR.F	
1137.5119	1136.5046	1136.5462	−37	1	525	–	533	K.YKAEDEVQR.E	

Master No. 1127

Match to: HSP71_HUMAN (P08107)
Score: 195
Expect: 5e-016
Heat shock 70 kDa protein 1 (HSP70.1)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
1228.6076	1227.6003	1227.6207	−17	0	26	–	36	K.VEIIANDQGNR.T	
1487.6613	1486.6541	1486.694	−27	0	37	–	49	R.TTPSYVAFTDTER.L	
1658.8256	1657.8184	1657.8424	−14	0	57	–	71	K.NQVALNPQNTVFDAK.R	
1680.7906	1679.7833	1679.842	−35	0	89	–	102	K.HWPFQVINDGDKPK.V	
1630.7659	1629.7586	1629.796	−23	0	113	–	126	K.AFYPEEISSMVLTK.M	Oxidation
3001.7838	3000.7765	3000.4869	97	0	129	–	155	K.EIAEAYLGYPVTNAVITVPAYFNDSQR.Q	
1197.6644	1196.6571	1196.6877	−26	0	160	–	171	K.DAGVIAGLNVLR.I	
1687.855	1686.8478	1686.894	−27	0	172	–	187	R.IINEPTAAAIAYGLDR.T	
1675.691	1674.6837	1674.7234	−24	0	221	–	236	K.ATAGDTHLGGEDFDNR.L	
1261.6421	1260.6349	1260.6503	−12	0	237	–	246	R.LVNHFVEEFK.R	
1417.725	1416.7177	1416.7514	−24	1	237	–	247	R.LVNHFVEEFKR.K	
2981.7148	2980.7076	2980.4553	85	0	273	–	299	R.TLSSSTQASLEIDSLFEGIDFYTSITR.A	
1542.6927	1541.6854	1541.7296	−29	1	300	–	311	R.ARFEELCSDLFR.S	
1315.5731	1314.5658	1314.5914	−19	0	302	–	311	R.FEELCSDLFR.S	
1465.7777	1464.7704	1464.8049	−24	0	329	–	342	K.AQIHDLVLVGGSTR.I	
1109.5644	1108.5572	1108.5665	−8	0	349	–	357	K.LLQDFFNGR.D	
2786.4773	2785.47	2785.3559	41	0	424	–	447	K.QTQIFTTYSDNQPGVLIQVYEGER.A	
1248.6733	1247.6661	1247.6292	30	1	448	–	458	R.AMTKDNNLLGR.F	Oxidation
1183.6179	1182.6106	1182.6397	−25	0	459	–	469	R.FELSGIPPAPR.G	
1017.5971	1016.5899	1016.5614	28	1	501	–	509	K.ITITNDKGR.L	
1137.551	1136.5437	1136.5462	−2	1	525	–	533	K.YKAEDEVQR.E	
1303.5859	1302.5786	1302.5914	−10	0	540	–	550	K.NALESYAFNMK.S	Oxidation

Master No. 1227

Match to: HSPB1_HUMAN
Score: 176
Expect: 3.9e-014
Heterogeneous nuclear ribonucleoprotein K (hnRNP K)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
871.3599	870.3527	870.4712	−136	0	288	–	296	R.GPPPPPPGR.G	
997.3432	996.336	996.4335	−97.9	0	317	–	325	R.GGDLMAYDR.R	
998.3108	997.3035	997.3811	−77.8	0	279	–	286	R.DYDDMSPR.R	
1013.3388	1012.3315	1012.4284	−95.7	0	317	–	325	R.GGDLMAYDR.R	Oxidation
1014.2876	1013.2803	1013.376	−94.4	0	279	–	286	R.DYDDMSPR.R	Oxidation
1053.5631	1052.5558	1052.6342	−74.5	0	192	–	201	R.VVLIGGKPDR.V	
1098.3734	1097.3661	1097.4448	−71.7	0	140	–	148	K.GSDFDCELR.L	
1106.4428	1105.4355	1105.5074	−65	0	38	–	46	R.NTDEMVELR.I	
1122.4469	1121.4396	1121.5023	−55.9	0	38	–	46	R.NTDEMVELR.I	Oxidation
1169.4541	1168.4468	1168.5295	−70.8	1	317	–	326	R.GGDLMAYDRR.G	Oxidation
1194.6312	1193.6239	1193.6921	−57.1	0	306	–	316	R.NLPLPPPPPPR.G	
1259.4983	1258.491	1258.5677	−60.9	0	423	–	433	K.IDEPLEGSEDR.I	
1340.7281	1339.7208	1339.7962	−56.3	0	208	–	219	K.IILDLISESPIK.G	
1549.5733	1548.5661	1548.645	−51	0	180	–	191	K.LFQECCPHSTDR.V	
1579.6376	1578.6303	1578.6984	−43.1	0	22	–	34	K.RPAEDMEEEQAFK.R	
1595.6218	1594.6145	1594.6933	−49.4	0	22	–	34	K.RPAEDMEEEQAFK.R	Oxidation
1714.883	1713.8758	1713.9764	−58.7	0	87	–	102	R.ILSISADIETIGEILK.K	
1735.6882	1734.6809	1734.7995	−68.4	1	22	–	35	K.RPAEDMEEEQAFKR.S	
1751.7102	1750.7029	1750.7944	−52.3	1	22	–	35	K.RPAEDMEEEQAFKR.S	Oxidation
1780.6833	1779.676	1779.7911	−64.7	0	70	–	86	R.TDYNASVSVPDSSGPER.I	
1842.9749	1841.9676	1842.0713	−56.3	1	87	–	103	R.ILSISADIETIGEILKK.I	
1916.9119	1915.9047	1916.0255	−63.1	0	378	–	396	R.GSYGDLGGPIITTQVTIPK.D	

Master No. 1295

Match to: CH60_HUMAN
Score: 270
Expect: 1.6e-023
60 kDa heat shock protein, mitochondrial precursor (Hsp60)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
833.4097	832.4025	832.3828	23.7	0	302	–	309	K.APGFGDNR.K	
844.5442	843.5369	843.5066	36	0	345	–	352	K.VGEVIVTK.D	
855.4952	854.4879	854.461	31.5	0	134	–	141	K.GANPVEIR.R	
912.5891	911.5818	911.5804	1.54	0	293	–	301	K.VGLQVVAVK.A	
941.6272	940.62	940.6069	13.9	1	463	–	470	K.IGIEIIKR.T	
960.4997	959.4924	959.5036	−11.7	0	421	–	429	R.VTDALNATR.A	
961.4849	960.4776	960.4777	−0.14	1	302	–	310	K.APGFGDNRK.N	
1153.7044	1152.6971	1152.7594	−54	1	291	–	301	R.LKVGLQVVAVK.A	
1190.5187	1189.5114	1189.6012	−75.5	0	181	–	191	K.EIGNIISDAMK.K	
1215.5952	1214.5879	1214.6507	−51.7	0	482	–	493	K.NAGVEGSLIVEK.I	
1233.5036	1232.4964	1232.5885	−74.7	0	406	–	417	K.VGGTSDVEVNEK.K	
1344.632	1343.6247	1343.7085	−62.4	0	61	–	72	R.TVIIEQSWGSPK.V	
1389.6243	1388.617	1388.6976	−58	0	222	–	233	R.GYISPYFINTSK.G	
1428.7216	1427.7144	1427.8058	−64	0	143	–	156	R.GVMLAVDAVIAELK.K	
1444.7256	1443.7183	1443.8007	−57	0	143	–	156	R.GVMLAVDAVIAELK.K	Oxidation
1504.6738	1503.6666	1503.749	−54.8	0	206	–	218	K.TLNDELEIIEGMK.F	
1520.6688	1519.6615	1519.7439	−54.2	0	206	–	218	K.TLNDELEIIEGMK.F	Oxidation
1556.8233	1555.816	1555.9007	−54.4	1	143	–	157	R.GVMLAVDAVIAELKK.Q	
1572.8268	1571.8195	1571.8956	−48.5	1	143	–	157	R.GVMLAVDAVIAELKK.Q	Oxidation
1584.8281	1583.8209	1583.9069	−54.3	1	142	–	156	R.RGVMLAVDAVIAELK.K	
1601.6695	1600.6622	1600.7443	−51.3	0	237	–	249	K.CEFQDAYVLLSEK.K	
1684.8343	1683.827	1683.8978	−42.1	0	430	–	446	R.AAVEEGIVLGGGCALLR.C	
1771.7882	1770.7809	1770.8458	−36.6	0	447	–	462	R.CIPALDSLTPANEDQK.I	
1919.0052	1917.998	1918.0636	−34.2	0	251	–	268	K.ISSIQSIVPALEIANAHR.K	
1938.8933	1937.886	1937.9404	−28.1	1	206	–	221	K.TLNDELEIIEGMKFDR.G	Oxidation
2037.9479	2036.9407	2037.0153	−36.7	0	371	–	387	R.IQEIIEQLDVTTSEYEK.E	
2113.0593	2112.052	2112.1323	−38	0	38	–	58	R.ALMLQGVDLLADAVAVTMGPK.G	
2129.0503	2128.043	2128.1272	−39.6	0	38	–	58	R.ALMLQGVDLLADAVAVTMGPK.G	Oxidation
2145.055	2144.0478	2144.1221	−34.7	0	38	–	58	R.ALMLQGVDLLADAVAVTMGPK.G	2 Oxidation
2365.2383	2364.231	2364.3264	−40.3	0	269	–	290	R.KPLVIIAEDVDGEALSTLVLNR.L	
2482.3201	2481.3128	2481.3942	−32.8	0	527	–	551	R.TALLDAAGVASLLTTAEVVVTEIPK.E	
2508.015	2507.0077	2507.1018	−37.5	0	494	–	516	K.IMQSSSEVGYDAMAGDFVNMVEK.G	
2540.0632	2539.056	2539.0917	−14.1	0	494	–	516	K.IMQSSSEVGYDAMAGDFVNMVEK.G	2 Oxidation
2560.1303	2559.123	2559.2413	−46.2	0	97	–	121	K.LVQDVANNTNEEAGDGTTTATVLAR.S	
2868.4753	2867.468	2867.5743	−37.1	1	527	–	554	R.TALLDAAGVASLLTTAEVVVTEIPKEEK.D	
3097.4057	3096.3985	3096.5074	−35.2	0	315	–	344	K.DMAIATGGAVFGEEGLTLNLEDVQPHDLGK.V	
3113.4077	3112.4005	3112.5023	−32.7	0	315	–	344	K.DMAIATGGAVFGEEGLTLNLEDVQPHDLGK.V	Oxidation
3555.5625	3554.5552	3554.8138	−72.7	1	158	–	191	K.QSKPVTTPEEIAQVATISANGDKEIGNIISDAMK.K	

Master No. 1429

Match to: CAP1_HUMAN
Score: 104
Expect: 6.3e-007
Adenylyl cyclase-associated protein 1 (CAP 1)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	-	End	Sequence	Methionine oxidation
884.4756	883.4683	883.4803	-13.6	0	349	-	355	K.QVAYIYK.C	
1076.5526	1075.5454	1075.5696	-22.5	0	356	-	364	K.CVNTTLQIK.G	
1138.5615	1137.5542	1137.5601	-5.14	0	72	-	81	K.HAEMVHTGLK.L	Oxidation
1151.5121	1150.5048	1150.5077	-2.55	0	413	-	422	K.TDGCHAYLSK.N	
1212.6811	1211.6738	1211.6761	-1.93	1	318	-	328	K.EPAVLELEGKK.W	
1235.6137	1234.6064	1234.5863	16.3	0	423	-	433	K.NSLDCEIVSAK.S	
1276.6061	1275.5988	1275.6248	-20.4	0	199	-	209	K.EFHTTGLAWSK.T	
1382.659	1381.6517	1381.6408	7.85	0	18	-	29	R.LEAVSHTSDMHR.G	
1398.641	1397.6337	1397.6358	-1.47	0	18	-	29	R.LEAVSHTSDMHR.G	Oxidation
1426.7985	1425.7912	1425.8079	-11.7	0	101	-	113	K.LSDLLAPISEQIK.E	
1478.5832	1477.5759	1477.5966	-14	0	156	-	167	K.EMNDAAMFYTNR.V	Oxidation
1494.5894	1493.5821	1493.5915	-6.26	0	156	-	167	K.EMNDAAMFYTNR.V	2 Oxidation
1757.872	1756.8647	1756.8778	-7.44	0	85	-	100	R.ALLVTASQCQQPAENK.L	
2073.024	2072.0167	2072.0273	-5.13	0	331	-	348	R.VENQENVSNLVIEDTELK.Q	
2415.1723	2414.165	2414.2077	-17.7	1	329	-	348	K.WRVENQENVSNLVIEDTELK.Q	

Master No. 1484

Match to: FSCN1_HUMAN
Score: 157
Expect: 3.1e-012
Fascin (Singed-like protein)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
944.3333	943.326	943.4036	−82.2	0	111	–	118	R.YFGGTEDR.L	
1032.3971	1031.3898	1031.4607	−68.8	0	390	–	398	R.GEHGFIGCR.K	
1076.4447	1075.4374	1075.5047	−62.5	0	186	–	194	R.YSVQTADHR.F	
1113.4629	1112.4556	1112.5363	−72.5	0	101	–	109	R.WSLQSEAHR.R	
1142.5186	1141.5114	1141.588	−67.1	0	91	–	100	R.FLIVAHDDGR.W	
1146.4781	1145.4708	1145.5757	−91.6	0	23	–	32	K.YLTAEAFGFK.V	
1190.5603	1189.553	1189.6343	−68.3	0	230	–	241	R.YLAPSGPSGTLK.A	
1200.5631	1199.5558	1199.6662	−92	1	469	–	479	R.YLKGDHAGVLK.A	
1240.7251	1239.7178	1239.7815	−51.4	0	380	–	389	K.LINRPIIVFR.G	
1460.5668	1459.5596	1459.619	−40.7	0	331	–	341	K.NASCYFDIEWR.D	
1611.6218	1610.6145	1610.7359	−75.4	1	69	–	82	R.YLAADKDGNVTCER.E	
1819.8567	1818.8494	1818.9628	−62.3	0	202	–	217	R.LVARPEPATGYTLEFR.S	
2109.8166	2108.8093	2108.9691	−75.8	0	409	–	426	R.SSYDVFQLEFNDGAYNIK.D	
2224.9457	2223.9384	2224.1045	−74.7	1	359	–	379	K.KNGQLAASVETAGDSELFLMK.L	Oxidation
2675.1953	2674.188	2674.3384	−56.3	1	248	–	271	K.VGKDELFALEQSCAQVVLQAANER.N	

Master No. 1579

Match to:PDIA6_HUMAN
Score:66
Expect: 0.0039
Protein disulfide-isomerase A6 precursor (EC 5.3.4.1)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	-	End	Sequence	Methionine oxidation
1078.6354	1077.6281	1077.607	19.6	0	314	-	322	R.NSYLEVLLK.L	
1151.5481	1150.5408	1150.4891	45	0	246	-	256	K.GESPVDYDGGR.T	
1191.5684	1190.5611	1190.5428	15.4	0	109	-	118	K.NRPEDYQGGR.T	
1386.7392	1385.732	1385.7514	-14	0	119	-	132	R.TGEAIVDAALSALR.Q	
1483.6895	1482.6822	1482.7103	-18.9	0	374	-	386	K.GSFSEQGINEFLR.E	
1514.7286	1513.7213	1513.7412	-13.1	0	195	-	208	K.NLEPEWAAAASEVK.E	
1527.8161	1526.8088	1526.8416	-21.5	0	217	-	231	K.LAAVDATVNQVLASR.Y	
1615.7968	1614.7895	1614.8366	-29.2	0	393	-	409	R.GSTAPVGGGAFPTIVER.E	
1825.8505	1824.8432	1824.9271	-46	0	86	-	102	K.HHSLGGQYGVQGFPTIK.I	
2637.321	2636.3138	2636.3585	-17	0	265	-	288	R.ALDLFSDNAPPPELLEIINEDIAK.R	

Master No. 1758

Match to : ACTG_HUMAN, ACTB_HUMAN*
Score: 160
Expect: 1.6e-012
Actin, cytoplasmic 2 (Gamma-actin), Actin, cytoplasmic 1 (Beta-actin)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
976.4337	975.4264	975.441	−15	0	19	–	28	K.AGFAGDDAPR.A	
1198.6466	1197.6393	1197.6982	−49	0	29	–	39	R.AVFPSIVGRPR.H	
1171.5191	1170.5118	1170.5638	−44	0	40	–	50	R.HQGVMVGMGQK.D	
1187.5038	1186.4965	1186.5587	−52	0	40	–	50	R.HQGVMVGMGQK.D	Oxidation
1203.5114	1202.5041	1202.5536	−41	0	40	–	50	R.HQGVMVGMGQK.D	2 Oxidation
1354.5819	1353.5746	1353.6161	−31	1	51	–	62	K.DSYVGDEAQSKR.G	
800.5403	799.533	799.528	6	1	62	–	68	K.RGILTLK.Y	
1515.6945	1514.6872	1514.7419	−36	0	85	–	95	K.IWHHTFYNELR.V	
1954.0574	1953.0501	1953.0571	−4	0	96	–	113	R.VAPEEHPVLLTEAPLNPK.A	
3183.5835	3182.5762	3182.6071	−10	0	148	–	177	R.TTGIVMDSGDGVTHTVPIYEGYALPHAILR.L	
3199.596	3198.5887	3198.602	−4	0	148	–	177	R.TTGIVMDSGDGVTHTVPIYEGYALPHAILR.L	Oxidation
998.4597	997.4525	997.479	−27	0	184	–	191	R.DLTDYLMK.I	
1014.4595	1013.4522	1013.4739	−21	0	184	–	191	R.DLTDYLMK.I	Oxidation
1132.4784	1131.4711	1131.5197	−43	0	197	–	206	R.GYSFTTTAER.E	
2550.1776	2549.1703	2549.1665	1	0	216	–	238	K.LCYVALDFEQEMATAASSSSLEK.S	
2566.1895	2565.1822	2565.1614	8	0	216	–	238	K.LCYVALDFEQEMATAASSSSLEK.S	Oxidation
1790.8755	1789.8683	1789.8846	−9	0	239	–	254	K.SYELPDGQVITIGNER.F	
3231.443	3230.4357	3230.4545	−6	0	257	–	284	R.CPEALFQPSFLGMESCGIHETTFNSIMK.C	
3247.491	3246.4837	3246.4494	11	0	257	–	284	R.CPEALFQPSFLGMESCGIHETTFNSIMK.C	Oxidation
2343.1248	2342.1175	2342.1576	−17	1	291	–	312	R.KDLYANTVLSGGTTMYPGIADR.M	
2359.1376	2358.1303	2358.1526	−9	1	291	–	312	R.KDLYANTVLSGGTTMYPGIADR.M	Oxidation
2215.0391	2214.0319	2214.0627	−14	0	292	–	312	K.DLYANTVLSGGTTMYPGIADR.M	
2231.0574	2230.0502	2230.0576	−3	0	292	–	312	K.DLYANTVLSGGTTMYPGIADR.M	Oxidation
1161.5541	1160.5468	1160.6111	−55	0	316	–	326	K.EITALAPSTMK.I	
923.5749	922.5677	922.56	8	1	329	–	336	K.IIAPPERK.Y	
2730.3048	2729.2975	2729.4251	−47	1	336	–	359	R.KYSVWIGGSILASLSTFQQMWISK.Q	
2746.3269	2745.3196	2745.42	−37	1	336	–	359	R.KYSVWIGGSILASLSTFQQMWISK.Q	Oxidation

* All sequences were overlapped in gamma-actin and beta-actin.

Master No. 1767

Match to: ACTG_HUMAN (P02571)
Score: 135
Expect: 5e-010
Actin, cytoplasmic 2 (Gamma-actin)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
1794.7623	1793.755	1793.8175	−35	0	2	–	18	M.EEEIAALVIDNGSGMCK.A	Oxidation
976.4188	975.4116	975.441	−30	0	19	–	28	K.AGFAGDDAPR.A	
1198.6289	1197.6216	1197.6982	−64	0	29	–	39	R.AVFPSIVGRPR.H	
1171.4905	1170.4832	1170.5638	−69	0	40	–	50	R.HQGVMVGMGQK.D	
1187.4823	1186.475	1186.5587	−71	0	40	–	50	R.HQGVMVGMGQK.D	Oxidation
1203.4839	1202.4766	1202.5536	−64	0	40	–	50	R.HQGVMVGMGQK.D	2 Oxidation
800.5371	799.5298	799.528	2	1	62	–	68	K.RGILTLK.Y	
1515.6704	1514.6632	1514.7419	−52	0	85	–	95	K.IWHHTFYNELR.V	
1954.015	1953.0077	1953.0571	−25	0	96	–	113	R.VAPEEHPVLLTEAPLNPK.A	
3183.4799	3182.4726	3182.6071	−42	0	148	–	177	R.TTGIVMDSGDGVTHTVPIYEGYALPHAILR.L	
3199.5258	3198.5185	3198.602	−26	0	148	–	177	R.TTGIVMDSGDGVTHTVPIYEGYALPHAILR.L	Oxidation
1132.4642	1131.4569	1131.5197	−55	0	197	–	206	R.GYSFTTTAER.E	
1790.8467	1789.8394	1789.8846	−25	0	239	–	254	K.SYELPDGQVITIGNER.F	
2343.0651	2342.0578	2342.1576	−43	1	291	–	312	R.KDLYANTVLSGGTTMYPGIADR.M	
2359.1172	2358.1099	2358.1526	−18	1	291	–	312	R.KDLYANTVLSGGTTMYPGIADR.M	Oxidation
2215.0061	2213.9988	2214.0627	−29	0	292	–	312	K.DLYANTVLSGGTTMYPGIADR.M	
923.5349	922.5276	922.56	−35	1	329	–	336	K.IIAPPERK.Y	
2730.2553	2729.248	2729.4251	−65	1	336	–	359	R.KYSVWIGGSILASLSTFQQMWISK.Q	
2746.2786	2745.2713	2745.42	−54	1	336	–	359	R.KYSVWIGGSILASLSTFQQMWISK.Q	Oxidation

Master No. 2014

Match to: AK1C2_HUMAN
Score: 136
Expect: 3.9e-010
Aldo-keto reductase family 1 member C2

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
854.5383	853.531	853.5385	−8.78	0	251	–	258	R.TPALIALR.Y	
1130.5709	1129.5636	1129.5629	0.7	0	162	–	171	K.SIGVSNFNHR.L	
1158.5827	1157.5754	1157.5717	3.24	1	76	–	84	K.REDIFYTSK.L	
1384.8087	1383.8014	1383.8159	−10.5	0	172	–	183	R.LLEMILNKPGLK.Y	Oxidation
1500.8114	1499.8042	1499.8096	−3.63	0	210	–	223	K.DIVLVAYSALGSHR.E	
1715.9222	1714.9149	1714.9366	−12.7	1	208	–	223	K.SKDIVLVAYSALGSHR.E	
1972.874	1971.8667	1971.9248	−29.5	0	279	–	294	R.QNVQVFEFQLTSEEMK.A	Oxidation
2239.0306	2238.0233	2238.0099	6	0	184	–	200	K.YKPVCNQVECHPYFNQR.K	
2376.1183	2375.111	2375.162	−21.5	0	10	–	31	K.LNDGHFMPVLGFGTYAPAEVPK.S	Oxidation
3003.5253	3002.518	3002.4998	6.05	0	40	–	66	K.LAIEAGFHHIDSAHVYNNEEQVGLAIR.S	
3125.7171	3124.7098	3124.6849	7.99	0	105	–	131	K.NLQLDYVDLYLIHFPVSVKPGEEVIPK.D	

Master No. 2372

Match to: HSPB1_HUMAN
Score: 92
Expect: 1.1e-005
Heat-shock protein beta-1 (HSP 27)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
831.4723	830.465	830.5014	-43.9	0	6	–	12	R.VPFSLLR.G	
960.4303	959.4231	959.425	-1.97	0	21	–	27	R.DWYPHSR.L	
961.4552	960.4479	960.4454	2.64	0	13	–	20	R.GPSWDPFR.D	
1075.5771	1074.5698	1074.5669	2.66	0	80	–	89	R.QLSSGVSEIR.H	
1104.5135	1103.5063	1103.4996	6.06	0	128	–	136	R.QDEHGYISR.C	
1163.6423	1162.635	1162.6135	18.5	0	28	–	37	R.LFDQAFGLPR.L	
1783.9321	1782.9248	1782.9152	5.39	0	97	–	112	R.VSLDVNHFAPDELTVK.T	
1906.0153	1905.008	1904.9843	12.4	0	172	–	188	K.LATQSNEITIPVTFESR.A	
3242.7054	3241.6981	3241.6428	17	1	141	–	171	R.KYTLPPGVDPTQVSSSLSPEGTLTVEAPMPK.I	Oxidation

Master No. 2382
Match to: HSPB1_HUMAN
Score: 128
Expect: 2.5e-009
Heat-shock protein beta-1 (HSP 27)

Observed	Mr(expt)	Mr(calc)	ppm	Miss	Start	–	End	Sequence	Methionine oxidation
831.6192	830.6119	830.5014	133	0	6	–	12	R.VPFSLLR.G	
961.5476	960.5403	960.4454	99	0	13	–	20	R.GPSWDPFR.D	
960.5343	959.527	959.425	106	0	21	–	27	R.DWYPHSR.L	
1163.6807	1162.6735	1162.6135	52	0	28	–	37	R.LFDQAFGLPR.L	
1075.6409	1074.6336	1074.5669	62	0	80	–	89	R.QLSSGVSEIR.H	
1783.8911	1782.8838	1782.9152	−18	0	97	–	112	R.VSLDVNHFAPDELTVK.T	
1104.5779	1103.5707	1103.4996	64	0	128	–	136	R.QDEHGYISR.C	
1905.9628	1904.9555	1904.9843	−15	0	172	–	188	K.LATQSNEITIPVTFESR.A	

Result of Figure 2

Master No.	Control	Actinomycin D	Bafilomycin A1	Brefeldin A	Concanamycin A	Cycloheximide	Cytochalasin D	Daunomycin	Geldanamycin	ICRF-193	Jasplakinolide	LY294002	MG-132	Nocodazole	Okadaic acid	Radicicol	Staurosporine	Tunicamycin	Vinblastine	VP-16
420	1	0.921221863	1.350417112 **	1.083669313	1.111660028	0.876454926	0.952435876	0.85465617	1.12476163	0.950963574	0.988344749	0.864035163	0.84211959	0.781575148 *	0.975266812	0.914181114	0.633793294 **	0.730622399 **	0.876901886	0.934337205
453	1	0.866082506 *	1.100223343	0.92893065	1.144922562 *	0.985579168	0.862829611 *	0.921179626	1.033679277	0.959784127	0.909463849	0.934381205	0.966448046	0.832766344 **	0.981103853	0.874267595	0.824604427 **	0.871708392	1.009155112	1.042466505
505	1	1.065318069	0.834658598	1.166865822	0.934255057	1.248703216 **	0.882999952	0.997456648	0.889053802	1.060903984	1.095581378	1.136483088	0.881846084	0.845718066	0.824878987 *	1.003008828	0.721722726 **	1.208175561 *	1.02488533	0.964655554
576	1	0.904940291	1.148033374	0.948930561	1.078573842	0.973577095	1.091417697	0.99630835	1.302789095 **	0.959975826	0.984619912	1.15919972 *	1.043328779	0.901406397	0.969285227	1.091886139	1.101933568	0.91748396	0.918928019	1.092570537
594	1	0.777267512 **	1.082998802	0.837767836 *	0.948983981	0.760384084 **	0.807862964 *	0.780775912 **	1.035929785	0.898697107	0.894403474	0.76934884 **	0.844067472	0.812237413 *	0.965223737	0.912412299	0.832712947 *	0.84758429	0.981269788	0.908427124
608	1	0.864681588 *	0.906777718	0.965924505	0.908411481	0.921132782	0.795448897 **	0.928318695	1.257491409 **	1.026341604	0.925485783	0.831050819 **	1.109136022	0.845624391 **	0.994421223	1.200041208 **	0.542263509 **	0.927647203	0.98121223	1.008897194
609	1	0.996825387	1.061244076	1.254299324 **	0.923056834	0.965143192	1.127004247	0.990725682	1.220784529 **	1.108312198	1.02260216	1.002062296	1.277443081 **	0.94505091	0.767307298 **	1.102324282	0.88523775	0.852139629	0.937346509	0.949652571
623	1	0.937892951	0.889599796	0.928462037	0.82741907 **	1.013338143	0.835340045 *	0.869347722	0.809411866 **	1.009143454	0.896092372	0.945654348	0.876071145	0.999709688	0.897014371	0.98864867	1.251719075 **	1.061945508	0.970293219	0.901414071
642	1	1.038100581	1.155441571	1.120902008	1.228105554 *	1.287989243 **	0.994868937	1.104441797	1.254746013 **	0.981110277	0.946823959	1.243279144 **	0.920685704	0.798465494 *	0.92744083	1.206326107 *	0.878542603	1.341766684 **	0.987434074	1.063286058
643	1	0.940675871	0.804159917 **	0.921624584	0.826883823 *	0.93786562	0.632400394 **	0.878217385	0.717793029 **	0.976351648	0.809916433 **	0.896547635	0.762649894 **	0.788607656 **	0.842440264 *	0.790182718 **	0.98450842	1.005925595	0.920953103	0.960778904
647	1	1.053256766	1.102364064	1.072953965	1.243193951 **	1.292075129 **	1.120337514	1.101898915	1.294788437 **	1.00248371	1.033784933	1.177911266	1.054379413	0.840213751	0.924749265	1.192079078 *	0.673709045 **	1.356345693 **	1.053920132	1.073422835
650	1	0.972667754	1.068679158	0.876558269	1.012502395	0.91764137	0.855081516	0.996958658	1.429951253 **	0.919890099	0.840924138	1.053591717	0.914791857	0.777313056 *	1.066953009	1.357977802 **	1.100113071	1.453912065 **	1.046216285	1.044976728
657	1	0.972501751	0.838032656 **	0.955907073	1.058873395	1.112239605	0.880035858	1.084176567	0.974375722	0.986622871	0.912837904	0.823750836 **	1.011434332	0.793620813 **	0.942155799	0.992557021	0.60219806 **	0.928460958	0.954138282	1.265182778 **
659	1	0.871297202	0.915444219	0.979407346	0.880541177	1.010175679	0.790210912 **	0.662675828 **	0.918085659	0.684852137 **	0.937349039	0.773807455 **	0.808179627 *	0.526319844 **	0.663644802 **	0.856850645	0.569199824 **	0.841205032 *	0.509366758 **	0.804057975 **
660	1	0.649871494 **	0.828377381	0.962835935	0.836656791	0.759311372 **	0.709840656 **	0.577287505 **	0.940210496	0.77146231 **	0.846301983	0.97248922	0.787200213 *	0.560320973 **	0.758628608 **	1.043626231	0.917711177	0.983487039	0.597955052 **	0.987036157
663	1	0.91464379	0.792256236 **	1.001367775	0.939461566	1.076005036	0.816593426 **	1.058109261	0.833504757 *	0.653622667 **	0.889338284	0.646369625 **	0.842549735 *	0.454254952 **	0.736413815 **	0.85770036 *	0.294683307 **	0.83995102 *	0.489722139 **	0.982805921
690	1	1.059024554	0.995094067	0.953202658	1.018127079	0.93196778	0.719700452 **	0.986832854	0.91337779	1.056334747	0.782959046 **	1.03784024	1.009779207	0.784952799 **	0.931835573	0.993967578	0.767100238 **	1.033556001	0.94413576	0.989405309
696	1	0.885801629	0.913416118	0.948172686	0.926972744	1.024649234	0.807059003 **	0.896950745	0.830486428 **	0.743361273 **	0.890679226	0.814145336 **	0.915492743	0.509425527 **	0.785833775 **	0.932262485	0.766646505 **	0.987091573	0.590425188 **	0.969174395
713	1	1.116070501	0.789123378 *	1.069629144	0.846929514	1.207437336 *	1.067964933	1.180155483	0.714137643 **	0.927939597	1.081813471	1.055080964	0.920109928	0.954015203	0.974941519	0.823334198	0.902131003	1.193667715 *	0.962942372	1.045484241
714	1	1.123830017	0.71314759 **	0.984124414	0.735414546 **	1.090999457	0.797690386 *	1.079848605	0.63335145 **	0.899877374	0.938116915	0.873123842	0.817353002 *	0.869206694	0.788399885 *	0.716249327 **	0.673663669 **	1.10237993	1.012707606	1.045594219
728	1	0.946360065	0.838347905 *	0.999586811	0.916274782	0.959358301	0.768787223 **	0.994455535	0.696624142 **	0.949745596	0.957869314	0.843369675 *	0.785024052 **	0.74803459 **	0.834085247 **	0.704036849 **	0.848158464 *	1.009137384	0.850598944 *	1.165574609 **
740	1	1.051741515	0.827164656 *	1.084164503	0.977838033	1.082464143	0.91216973	0.850626616	0.914984337	1.201390179 **	1.027865433	0.837484973	1.010896848	1.021943766	0.736267417 **	1.025424144	0.935974178	0.868215011	0.989928342	0.867686923
747	1	0.887130833	0.883798897	1.083229228	0.838906795 **	0.855216041 *	0.889262819	0.872552372 *	0.913857908	1.166870357 *	0.970204682	0.782598806 **	0.983378575	0.939715934	0.82028455 **	0.873436964 *	1.14445959 *	0.836848307 **	1.003174753	0.894418918
760	1	1.016897933	1.220273599 **	1.05764544	1.0514515	1.102356586	0.976298794	1.00192373	0.961495915	0.949037316	1.02082089	0.966944079	1.088883844	0.900033492	0.979912353	0.904223513	1.173667681 *	1.043882966	0.942936132	1.003935448
780	1	1.025325914	1.069878797	1.072144866	0.946233439	0.982819092	1.052134433	1.052186083	1.242091827 **	1.107636754	1.047920689	0.959322356	1.188257148 **	1.156368741 **	0.956462224	1.17363328 **	0.806182647 **	0.965039049	0.971979705	1.09187696
788	1	0.92680195	1.155746965 **	0.876980535 *	1.035480194	0.895353137	0.883121059 *	1.007109779	1.19788258 **	1.058199708	0.915212057	0.966414698	1.017536227	0.782996005 **	0.925264271	1.013191628	0.981019121	0.843976067 **	0.955169014	1.071776574
794	1	0.898385314	1.084568386	0.959076557	1.118566585 *	0.949830869	0.966222605	0.93946133	1.22059625 **	1.013447092	0.925175949	0.98602824	1.093781556	0.942840557	0.9370299	1.056567784	0.994998148	0.952695537	0.960604285	0.914704713
797	1	0.961216706	0.987884564	0.846563418	0.826274321 *	0.942356813	0.894013327	0.992470932	0.916756318	0.872893491	0.933494509	0.73402953 **	0.92733785	0.872569123	0.890343826	1.152410121	0.586908772 **	0.767698017 **	0.88548858	0.959005445
798	1	0.854226683	0.896578459	0.941303499	0.80757249 *	0.899071501	0.697938321 **	0.880582044	1.072894584	0.967902199	0.824216052 *	0.583085767 **	0.871882002	0.70071213 **	0.947586826	1.129466462	0.192593303 **	0.597210333 **	0.921738806	1.035484235
852	1	0.933550781	1.032127848	0.789355982 **	0.855590426 **	0.85542542 **	0.728441958 **	1.034315073	1.203163698 **	0.950622317	0.773773982 **	0.853254461 **	1.040734502	0.773520032 **	0.960550464	1.026254106	0.562030274 **	0.744353038 **	0.951763978	1.126839071 **
863	1	0.8610753 *	1.21528951 **	0.917405461	1.08140088	0.887981021	0.904581953	0.932708773	1.212362517 **	0.999955896	0.892575801	1.116143599 *	0.926076769	0.893006297	0.982460544	0.925243668	1.120303381 *	0.857398374 **	0.960751775	1.063434452
864	1	0.978764799	1.067699347	0.996967866	1.07043654	1.013436513	1.23291496 **	0.907806336	1.118341955	0.865754747	1.149563506	1.057519211	1.071235424	1.108385014	0.952017925	1.030284901	1.166620073	0.993752382	0.970147247	1.105761161
865	1	1.16389393 **	1.012974602	0.840199313 **	0.931230574	0.848257203 **	0.772502783 **	1.074477629	0.927888367	0.870763553 **	0.855209001 **	0.759465018 **	0.817146716 **	0.70187661 **	0.870734079 **	0.845789033 **	0.460333593 **	0.720865563 **	0.776947717 **	1.076650453
867	1	0.8377744 **	1.03155028	0.886836638 *	0.99536089	0.849187097 **	0.996103539	0.916475914	1.154838028 **	0.974089	1.0442093	0.916797396	1.002265019	0.998246793	1.085433657	0.97838696	0.97622778	0.880999538 **	1.034823516	0.97265362
879	1	1.042385398	0.887291268 **	1.022782727	1.02051777	1.239839052 **	1.117815844 **	0.928703299	0.942252751	0.716614824 **	1.4407214 **	0.819009582 **	0.805572428 **	0.582652272 **	0.834985116 **	1.059557657	0.840652135 **	1.102499951 **	0.525559081 **	1.04652752
880	1	0.910047666	1.175573455 **	0.988659241	1.056228243	0.886089429	0.884818272	0.956214575	1.135861547 *	1.042298303	0.916194712	1.084630928	1.045983967	0.916960835	0.902568997	0.866705226 *	1.099249947	0.873970248 *	0.907974761	1.103075789
889	1	0.787401961 **	1.205683633 **	1.000459594	1.046098642	0.877488921	0.773875992 **	0.93858052	0.929607774	0.902884372	0.784430905 **	0.652027386 **	0.814113732 **	0.636664303 **	0.886919336	0.812616178 **	0.301408016 **	0.602062772 **	0.655560596 **	0.968666366
907	1	0.988278725	0.756743269 **	1.007561503	0.791629504 **	1.173628656 **	1.195504121 **	1.026474528	1.110142114	1.065512307	1.328846733 **	0.901312738	1.424380111 **	1.142413027 *	0.730893824 **	1.313013861 **	0.472695561 **	1.013232568	0.773797535 **	1.036727799
909	1	0.987769484	0.941471351	0.826625962 **	0.892082314 *	0.696688197 **	0.849254673 **	0.989636417	0.905092587 *	0.845143792 **	0.850645085 **	0.716806929 **	1.030873243	0.641070228 **	0.88829925 *	0.668618263 **	0.439653728 **	0.598423926 **	0.733566268 **	1.253653496 **
913	1	0.934279965	0.762062699 **	1.070118888	0.892439277	1.133302359 *	1.093541268	0.948465555	1.00136992	1.00279952	1.114154233	0.982345286	0.92009015	1.056258841	0.90045658	1.049538678	0.620273332 **	1.1462326 *	1.015234137	0.939867678
914	1	1.044364798	0.893915415 *	1.160946508 **	0.936250494	1.461978237 **	1.157319802 **	1.078004715	1.014420212	0.861802218 **	1.235616418 **	0.86861328 **	0.967827624	0.806496131 **	0.831012219 **	1.034124229	0.505828648 **	1.199456473 **	0.606421292 **	1.085549674
915	1	0.926922771	0.740753131 **	1.064167606	0.886966969 **	1.101511137 *	1.025363082	0.930343972	0.940923282	1.05119304	1.012891899	0.984280611	0.89328374 *	1.059803227	0.880481296 **	1.02435682	0.658718955 **	1.149980119 **	0.992614186	0.922356164
916	1	0.887752421 *	0.987131217	1.093170534	0.934230904	1.140276492 **	1.156006314 **	0.985181239	0.93037947	0.765964289 **	1.383265857 **	0.775699608 **	0.85278548 **	0.918297855	0.73001296 **	0.898678387	0.710756526 **	0.992571767	0.519084153 **	0.993925976
928	1	1.027291447	1.010518203	0.963000904	0.78472752 *	0.84602681	0.937188351	0.968093238	1.255537435 **	1.187990876	0.891381996	0.911635948	1.165371585	0.87050664	1.048646903	0.969551894	0.991659509	0.990438774	1.025895986	0.986812744
951	1	0.790458247 **	1.333957165 **	0.969381872	1.082049192	0.843845901 *	0.967822801	0.923765566	0.866957381	0.695138102 **	0.945081503	0.633155975 **	0.963636964	0.552383581 **	0.980783644	0.749489979 **	0.464037574 **	0.757522666 **	0.505615351 **	1.068893236
970	1	1.155805775	1.377006785 **	0.911450016	1.229227962 *	0.870173591	0.899750513	1.177409595	1.020081781	0.60292691 **	0.83953734	0.875076079	0.909820189	0.405380052 **	0.862397645	0.751441536 **	0.275895916 **	0.72168521 **	0.489318377 **	1.093380268
980	1	1.134614499	1.543303603 **	1.019353657	1.346971783 **	1.16433725	1.090602496	1.289433816 **	0.99720652	0.774539056 *	0.998807214	1.129952636	1.117469041	0.709871247 **	1.035685899	0.944175455	0.914486709	0.964466551	0.668471489 **	1.130932278
983	1	1.00567252	1.307660012 **	1.253866336 **	1.022423654	0.699121069 **	0.830437826 *	0.966128604	1.289900085 **	0.874861343	0.88302333	1.080656304	1.403406618 **	0.859004638	1.100338287	1.284927162 **	1.709785947 **	4.622508091 **	0.833599656 *	1.040651246
987	1	1.286214319 **	1.714135562 **	0.993708153	1.496858845 **	1.045008663	1.043134693	1.593797832 **	0.953655449	0.592046691 **	0.938595673	1.140715812	1.096167315	0.594805171 **	0.971815468	0.703795092 **	0.874816151	0.85376023	0.492948392 **	1.188873613
991	1	1.004603771	1.139242023	1.066488738	1.180535986	1.161497824	1.053122855	1.02047306	1.204476667 *	1.891361157 **	1.188008721	1.103139711	1.014263793	1.710266161 **	0.940481814	1.104910931	0.910851179	1.233337412 *	1.709099655 **	1.025820513
993	1	1.025326109	0.856365147	1.503595846 **	1.066318727	1.091016221	1.032609364	0.911201314	0.900225325	1.21147226 *	1.317264283 **	1.023765105	1.364093281 **	1.311550291 **	0.869366579	1.14518924	0.767104844 *	1.56537671 **	1.079702516	1.00787828
998	1	0.961671514	1.246960505 **	1.005903612	1.039530102	0.898455688	1.054955014	0.918263511	1.385511438 **	1.135545225	0.979827403	1.082434562	1.09588883	1.123279475	1.119952544	1.281523982 **	1.395483167 **	1.022061135	1.093584719	1.04764497
1005	1	1.012426368	0.887729232 *	0.941053399	0.998636924	0.880898146 **	1.0846295	1.035528121	0.994220838	0.973549472	1.069009334	0.836364236 **	0.996441556	0.877202733 **	0.952283164	0.97344285	0.575672794 **	0.943166665	1.009755458	0.992058733
1006	1	0.957235143	1.273624932 **	0.958558391	1.026920439	0.864803668 *	0.954954721	0.873591716 *	1.409720333 **	0.909977773	0.896186236	1.033738723	1.227656037 **	0.908700301	1.114107236	1.165908351 **	1.111535959	0.947268421	0.970376901	0.940744233
1009	1	0.929296906	1.286221147 **	1.007319962	1.042325381	0.75746923 **	0.783724217 **	0.884597332	1.46613842 **	1.021822697	0.800294008 **	0.958435591	1.142262252 *	0.847170152 *	1.114909655	1.179306568 **	1.037284055	0.952097429	0.961528457	1.066471932
1020	1	1.001029637	0.78712604 **	0.946564327	0.97464041	0.951010087	0.870041046	0.996572859	0.82243203 **	0.882481612	0.992501833	0.817660488 **	0.779478169 **	0.890831471	0.911588642	0.85621227 *	0.837676434 *	0.871099786	0.832912439 *	1.013055577
1032	1	0.724500828 **	0.889934218	1.083780136	0.921304043	0.942427043	0.777356379 **	0.840621236 **	0.990930175	0.797406317 **	0.861074763 **	0.62411848 **	0.889676099	0.501265537 **	0.999538623	1.029160254	0.441801573 **	0.75733426 **	0.676507333 **	0.808558883 **
1034	1	1.182172605 **	0.534548718 **	0.969036948	0.702823277 **	0.960756608	0.910705031	1.09859979	0.68872867 **	0.825153585 **	1.184337041 **	0.641007658 **	1.006297052	0.784696792 **	0.777076593 **	0.910848043	0.319511455 **	0.93351146	0.544970848 **	1.140591873
1036	1	0.964071547	0.912502019	1.083630928	1.138886339 *	1.090950532	1.108079961	0.951065108	1.049459485	0.666408553 **	1.074555482	0.810279237 **	0.825714821 **	0.659197968 **	0.823448164 **	1.023151038	0.82001345 **	1.197579461 **	0.447606477 **	0.974792775
1040	1	0.927899738	1.092164249	0.92324163	0.978201064	1.032534901	0.986679937	0.964694929	1.427694346 **	1.129276985	1.051894643	1.035204158	1.152353737	1.195182117 *	1.098374534	1.50036558 **	1.133178944	1.127674786	1.198136843 *	0.980751692
1045	1	0.97620291	0.872642771	1.083656795	0.901781	1.130131767	0.785804627 **	1.080223685	1.631045491 **	1.170006516 **	0.840583818 *	1.319626908 **	1.436157962 **	0.961649166	0.917557996	1.646044839 **	1.147393401 *	1.10833394	0.951721663	0.916959824
1046	1	0.730756677 **	0.619554801 **	0.842458601 **	0.761679756 **	0.856312829 **	0.782640738 **	0.841526624 **	0.691966035 **	0.920904906	0.903425683	0.684561093 **	0.781151733 **	0.834021042 **	0.926426378	0.730142856 **	0.631405901 **	0.900832617	0.864171648 **	0.9047529
1047	1	0.888133548 *	0.753220791 **	0.912884523	0.848291033 **	0.941118439	0.667606033 **	0.948458857	1.304364977 **	1.069053891	0.867135999 **	0.885745269 *	0.997567559	0.942569861	1.016204523	1.329673346 **	0.845471903 **	0.936734802	0.973640742	0.983662984
1060	1	0.835774264 *	0.976118784	0.868448224	0.896948221	0.742186286 **	1.001984894	0.917470101	1.039656981	1.046935367	1.043924906	0.90563725	0.816349465 *	0.8999359	0.96148882	0.888895932	0.903487921	0.804059589 **	1.018112503	1.095882976
1065	1	0.706980938 **	0.905768791	0.779735161 **	0.866945643 *	0.742606445 **	0.872765945 *	0.645461669 **	0.882967407 *	0.65967294 **	0.775133114 **	0.711861675 **	0.640385353 **	0.685922763 **	0.703940538 **	0.819072091 **	0.690321361 **	0.824043364 **	0.523318874 **	0.796436991 **
1066	1	0.828677242 **	1.191275697 **	0.874778268	1.109687243	0.904738691	0.909145413	1.031113854	0.907350546	0.670910727 **	0.925368497	0.667689113 **	0.877629463	0.584911278 **	0.945363424	0.862840003 *	0.425464281 **	0.782996271 **	0.593834393 **	1.190133422 **
1069	1	0.933946399	1.006578419	0.929618442	0.958451269	0.989836413	0.910627246	0.967339312	1.021806387	1.011840314	0.944381792	1.023592628	0.842654115 **	0.745055784 **	1.042899018	0.829528457 **	1.156180933 **	0.841859481 **	0.987827299	0.84908972 **
1075	1	0.772369768	1.572470013	1.701646945	1.06190816	1.407928707	2.431562227 **	0.810169021	2.120918001 **	1.064637221	0.725707394	4.401984871 **	2.982106592 **	4.23757173 **	1.457646166	1.838831772 *	3.46067413 **	2.296035408 **	1.638593375	1.674847329
1082	1	0.996447368	1.096033821	0.950713805	1.045204093	0.932395711	0.960131115	1.033783252	0.89761797	1.024635445	1.059446929	0.972635591	0.930822423	0.883132922	1.110474071	0.831623165 **	1.140355813 *	0.926945155	1.013596158	1.054590222
1098	1	0.990725243	0.742663501 **	1.097607383	0.806915472 *	0.944392602	1.087052527	1.041291727	0.784561895 *	0.813743909 *	1.136486356	0.877457203	0.805769576 *	1.068630844	1.090006696	0.841805111	0.709046893 **	1.101694066	1.108580698	0.746429253 **
1107	1	0.904634478	1.194925443 **	0.875013675	0.940233382	0.83182779 **	0.82928951 **	0.926107785	1.021007138	0.795521405 **	0.879532504	0.851579643 *	0.966427996	0.687423494 **	1.134348105 *	0.767891129 **	0.819665327 **	0.891761972	0.909994709	1.118680131
1110	1	1.076866606	1.01168827	1.216130165	0.979929955	0.942943714	0.949015362	1.00742629	7.299329972 **	1.338160815	0.869464202	1.318103434	7.788642538 **	1.160654439	1.098776775	8.759012438 **	1.115930193	1.067197545	1.15791495	1.162593566
1114	1	1.020469757	0.933585809	0.940893712	0.914824879	0.899756033	1.098826638	1.018976889	7.216407984 **	1.381641626	1.086125987	0.995830016	7.179850743 **	1.403632548	1.300506288	7.42779164 **	1.068697038	0.937845868	1.511480446	1.143241502
1127	1	1.117674886	0.847289329	0.934583344	0.812822815	0.784695714	0.740625267	1.064196308	8.943202929 **	1.276138658	0.888006557	0.869522491	6.844404946 **	1.035839403	1.219401697	9.392162145 **	0.795816569	0.795773999	1.104810644	1.155598292
1137	1	0.853048578	1.026884249	0.881080544	1.09705141	0.804406177	0.978806078	0.856203975	1.177578756	0.951403869	0.968889802	0.755741302 *	1.477925151 **	0.944487229	0.936926906	1.120221328	0.748693332 *	0.775515361	0.818104704	0.876779595
1144	1	1.020484617	1.353544735 **	0.934324306	0.982559103	0.783924601 *	1.114795686	1.067344758	1.21596494 *	1.02011503	1.087175441	1.457980513 **	1.395043011 **	1.093564292	1.184908464	1.008441	1.791074421 **	0.867347539	1.146380699	1.059117472
1147	1	1.127775431	0.918057386	0.961226786	0.850409262	0.790329112 *	0.918290493	1.091839043	1.250808386 **	0.968102084	1.044809293	1.14446289	0.979875849	1.004075022	1.024374235	0.960348941	1.259813078 **	0.835054887	1.024805763	1.19385299 *
1169	1	0.957804189	0.813966808 **	0.722075474 **	0.934088511	0.946483648	0.728899329 **	0.938804379	0.946985807	0.940851436	0.89791656	0.911902535	0.832693184 **	0.679993529 **	1.044259871	0.932805436	0.679296936 **	0.893603231	0.870883335 *	1.040663589
1181	1	1.199195975 *	0.824049966	1.063174002	0.830686599	0.953890335	1.04958713	1.008067489	0.770340993 *	1.43324434 **	0.905758398	1.030805344	0.889199157	1.238356597 **	1.054311504	0.847161505	0.730212009 **	1.058512627	1.453390557 **	1.018998037
1190	1	0.965461011	1.304045581 **	0.953287694	1.15641932 **	0.976736864	1.018979056	1.014393124	1.235589009 **	0.835135478 **	0.985019334	1.154720885 **	1.049936987	0.854969547 **	0.957854699	1.056327016	1.395429806 **	1.010840129	0.774949988 **	1.058100581
1191	1	0.928796385	1.322881893 **	0.864528652 **	1.07496655	0.84177187 **	0.774172149 **	0.912741012	1.24490893 **	0.815039209 **	0.837614794 **	0.82406349 **	0.929257541	0.774433312 **	1.005178785	0.981202737	0.481171777 **	0.761822581 **	0.798233726 **	1.018450432
1192	1	0.999359062	1.37928874 **	0.945280005	1.109562116	0.942573098	0.863404698 *	1.030868808	1.342654091 **	0.923551458	0.842116475 **	1.065754938	0.982764955	0.83232754 **	0.949816875	1.018173284	0.716343091 **	0.854538706 **	0.763131921 **	1.071016234
1204	1	0.876460467	0.846881183 *	0.883262456	0.941057464	0.94036886	0.744318272 **	0.84348167 *	0.80712139 **	0.96643968	0.96183153	0.91793513	0.908472373	0.930950732	1.01357591	0.981484279	0.665414053 **	1.078502987	1.145066749 *	0.881076236
1205	1	1.038995727	1.063263568	0.949524217	0.986442189	0.946681027	0.842231231 **	1.006961723	1.033337111	0.756948258 **	0.905896163	1.011704084	0.940181924	0.601817353 **	0.849578858 **	1.009834901	0.884420041 *	0.937492642	0.592920308 **	0.915682768
1206	1	1.022993877	1.246796744 **	0.92367989	1.120694973 **	0.960029313	0.959334758	1.049973863	1.110691531 *	0.796690656 **	0.946596112	1.193064522 **	1.037707291	0.853792349 **	0.95578707	1.004435184	1.285450994 **	1.03331377	0.768693024 **	1.066943369
1209	1	1.047412624	0.759266849 **	0.910701481	0.794686482 *	0.805541261 *	0.859826596	1.064517636	0.930074501	1.374376242 **	0.913045103	0.835476275	0.852360808	1.823449184 **	0.771702743 **	1.128311741	0.567601437 **	0.839527026	1.29684902 **	1.105575188
1211	1	0.953736255	0.803893934 **	0.979794994	0.892461522 **	0.937673337	0.910537315 *	0.918699024	0.815526881 **	0.963914672	1.051215949	0.923247315	0.785590489 **	0.862108574 **	0.971456257	0.953766543	0.692441749 **	0.939327305	0.954934133	0.914228378 *
1217	1	0.984911877	1.043542308	0.869958804	0.962228414	0.932154355	0.884417328	0.944074762	0.936796764	0.858548149	0.882856317	0.724720126 **	0.977278855	0.635779534 **	1.051287284	0.953286463	0.6489623 **	0.785053054 **	0.685073795 **	0.960752423
1220	1	0.894651057	0.866630578 *	0.911074448	0.864814866 *	0.911319015	0.824634959 **	0.774347596 **	0.857955455 *	1.620997967 **	0.904469249	1.241367072 **	0.717036208 **	1.457147273 **	0.978029673	0.909491153	0.464185958 **	0.838387729 **	1.68250264 **	0.864315043 *
1221	1	1.015418993	0.82050021 **	1.00325984	0.889917023 **	0.913440227 *	0.658940999 **	0.960767461	1.121077527 **	0.783166813 **	0.836709739 **	0.866889476 **	1.030897877	0.486709434 **	0.830291166 **	1.222287298 **	0.701159173 **	0.937198178	0.501437466 **	0.998157097
1227	1	0.911130482	1.232664912 **	0.891324337	1.071860721	0.824891529 **	0.862731283	0.895556136	1.094398911	0.68512637 **	0.896819379	0.632062452 **	0.776523483 **	0.483584488 **	0.880619158	0.881512036	0.309122471 **	0.745404482 **	0.473466892 **	1.022376608
1235	1	0.888378017	0.632260476 **	0.797509886 *	0.729335778 **	0.801247303 *	0.784531235 *	0.888972362	0.826006821	2.395848387 **	0.858791923	0.756810761 **	0.849720691	0.876424348	0.881275817	0.945498335	0.478311388 **	0.861871493	0.932727541	1.013899256
1249	1	0.885628398	0.617118155 **	0.794813565	0.68377627 **	0.740176277 **	0.87344448	0.820747814	0.948243058	0.978892202	0.912100426	0.684239681 **	0.891769517	0.899463735	0.912512355	0.998963975	0.463737056 **	0.845562565	1.032072558	1.01300394

1253	1	0.924296772	0.681424643 **	0.866131124	0.768259175 **	0.844363388 *	0.738738956 **	0.841037262 *	0.944697429	0.985892725	0.844108703 *	0.80871551 **	0.883013523	0.852761648 *	0.946309147	1.009319593	0.593014986 **	0.917744244	0.972734828	0.983691949
1258	1	1.158680324	0.921587713	1.127260045	0.920018418	1.045303217	0.970145705	1.228784558	1.197745733	1.106934084	0.994941096	1.810341161 **	1.325690668 **	1.017550824	0.903854821	1.232845805	2.520300913 **	1.605831782 **	1.029770723	1.149489206
1272	1	0.966558636	0.806273053 *	0.883611681	0.813881011 *	0.832808949 *	0.700979531 **	0.857120125	1.000188151	0.966859884	0.844169961	0.826813609 *	0.829042835 *	0.79329856 **	1.033270299	1.071290026	0.641731666 **	0.937458486	0.883538887	1.035316236
1280	1	1.161980263	1.088460075	0.757513105 *	1.076034088	0.94763607	0.911018099	0.935306468	1.199630205	0.902409554	0.944158722	0.9861552	0.976248545	1.072043452	1.268853331 **	1.164365319	1.471887148 **	1.007820743	0.891100281	0.915605688
1285	1	0.989445671	2.319198801 **	0.979415913	1.651957938 **	0.844917068	0.955021256	0.984216984	1.201665595 **	1.093122514	1.048635688	0.976376926	0.84354322	0.981658065	1.011346783	1.10599843	1.176925177 *	0.891244252	0.962737825	0.963825671
1290	1	0.987857358	0.85517054	0.903341579	0.822189233	0.857256036	1.120592324	1.069102956	0.900247374	1.207248215 *	1.106619892	0.947702248	0.932548176	1.042173956	1.042208992	0.914449559	0.58036237 **	0.949088201	1.187208818	1.024270606
1292	1	0.957912745	1.394086906 **	0.793721741	0.984706218	0.808192981	1.076100242	0.925920709	1.684039443 **	1.036484346	0.938981137	1.017919525	1.110350692	1.045882088	1.12306793	1.38223157 **	1.606371111 **	0.806112869	1.042417422	1.03027452
1293	1	1.063994087	1.117213948	0.722660015 **	0.919310664	0.874004991	0.7846392 **	0.960672445	1.643348103 **	0.898759457	0.790824126 **	0.950918576	1.129018765	0.891788214	1.100935253	1.241481138 **	1.409800241 **	0.780000676 **	0.866608997	0.938128838
1295	1	0.98996054	1.232920137 **	0.783266728 **	0.98738257	0.793348837 **	0.7921833 **	0.926287328	1.749965053 **	1.009597866	0.800804052 **	0.931732187	1.099515476	0.921342416	1.123423657	1.344759594 **	1.416864743 **	0.816265746 **	0.971624113	1.033663141
1316	1	1.017130512	0.860987733	0.847477092	0.93314635	0.970464566	1.103635284	0.974291812	0.839486151	0.975842804	1.085215158	0.944293189	0.861108032	1.064222421	1.103675231	0.954572177	0.68606329 **	1.126963225	1.038811006	0.923950859
1317	1	0.967073771	0.741867468 **	1.021442551	0.930043823	0.89612103	0.899906885	0.911439665	0.844508891	1.002070073	0.959198983	0.853419113	0.729179908 **	0.935130698	0.932610098	0.872045828	0.601433288 **	1.017602743	1.001257965	0.956057362
1319	1	1.056780338	0.910625431 *	0.858122534 **	0.911875388 *	0.77801102 **	0.943617402	0.961745785	0.915756959 *	0.979626714	1.035414299	0.86832501 **	0.732610803 **	0.96599773	1.064482719	0.754193318 **	1.002080344	0.836324464 **	0.988997408	1.104057769 **
1323	1	1.015365437	0.691006254 **	0.802834283 **	0.90503417	0.948848026	0.795076677 **	0.890446763	0.753553589 **	0.929867744	0.920521718	0.794013299 **	0.786452439 **	0.975546966	0.999038451	0.85672576	0.537221235 **	1.018919958	0.992766442	0.922417225
1328	1	1.058247979	0.902547404	1.018825855	0.930423903	0.997121134	1.078639815	1.112809264	0.812561354	1.072542955	1.172097448	0.998021165	0.797891195 *	1.331919328 **	1.199427416 *	0.904989142	0.890071277	0.949874089	1.223257511 *	0.872204723
1329	1	0.972845456	0.949339501	1.173642176 **	0.911901931	0.987918436	0.968712387	0.947706504	1.076105586	1.175198211 **	1.006702691	0.900010855	1.078818047	1.106584728	1.058241161	1.153799766 **	1.119647982 *	1.030749003	1.079725549	0.930377816
1330	1	0.940250441	1.065314268	0.88751537	1.015666551	0.922951326	0.994613024	0.909295531	0.90970865	1.013719772	1.105733737	1.035969669	0.906625385	1.111162524	1.280645434 **	0.807001722 **	0.846212461 *	0.951888206	1.069991413	0.916192508
1341	1	0.929987007	0.890664286 *	1.090822486	0.854195341 **	0.944201075	0.93611473	0.885612574 *	0.912185641	0.902524551	1.018191596	1.033250786	0.953914274	0.904797804	0.923880533	1.01438622	0.875722921 *	1.189641922 **	0.924260317	0.967354462
1342	1	1.08815101	1.33396977 **	1.023881412	1.039833198	0.888156047	0.934218403	1.053286813	1.175537982 **	0.994262701	0.911576748	1.086779625	0.950486203	0.889484828	1.026065264	1.015889848	1.150919915 *	1.010982396	0.951485154	1.092354393
1343	1	1.056403379	0.763790367 **	0.933777065	0.769896321 *	1.138402137	1.078013891	1.198533838 *	0.784770077 *	1.320668192 **	1.085477329	0.881296661	0.799351578 *	0.920633847	0.971642844	0.914298324	1.19080983 *	1.21259976 *	1.140914865	1.094988739
1353	1	1.124038435	1.332630761 **	0.957703449	0.988198458	1.017517932	1.178201158 **	1.089306033	1.299926536 **	1.043573427	0.966637695	1.277737058 **	1.007749143	1.043443384	1.153167179 *	1.119303055	1.486509727 **	1.227297055 **	1.061662817	1.032880856
1361	1	0.927287112	1.269666682 **	0.897588467	0.986452736	1.019926879	1.107068298	0.99523203	1.237423328 **	0.916579071	1.047116096	1.074254912	1.03626615	1.066876988	0.944635882	1.051897873	1.126259746	1.108995198	0.936543875	1.024191354
1362	1	1.094608505 *	1.220170884 **	0.908702446 *	0.941508113	0.810822306 **	0.884268394 **	1.027448769	1.210601681 **	0.967178906	0.850961068 **	1.079292753 *	0.937713155	0.916606601 *	1.120188754 **	1.021995893	1.274557817 **	1.14889686 **	0.976235378	1.055716203
1365	1	1.10923997 *	1.153540041 **	0.933578457	0.959765719	0.896292206 *	0.894547366 *	0.96641054	1.193789054 **	0.880527344 *	0.869886382 **	1.079449611	0.988338241	0.839462864 **	0.91112863	1.021755033	0.967298955	1.157872723 **	0.843204536 **	1.017092459
1367	1	0.910458506	0.846481844 *	0.765037659 **	0.757472398 **	0.824191261 *	0.852338705 *	0.94306534	0.930559414	0.814144197 **	0.932011957	0.956448809	0.705987349 **	0.822942004 *	0.835452284 *	0.806103125 **	0.835619144 *	0.800567559 **	0.827970337 *	0.91281439
1373	1	1.161492871	0.976686512	0.965795533	0.858621657	0.791900427 *	0.923474951	1.052250863	0.874710681	1.044349193	0.958214936	0.93760279	1.1017204	0.903077915	0.591635764 **	0.968199715	1.068466729	0.85055785	0.763794544 *	0.959688489
1376	1	0.985989455	1.046453734	0.968998705	1.031521806	0.961990635	0.912381534	1.040884102	0.823229637 **	1.038628372	0.885709089	1.106421554	0.920842939	0.993480904	0.990403528	0.977923213	1.576788855 **	1.202188979 **	1.005503478	1.055496075
1382	1	0.951212622	0.73542435 **	1.001189346	0.85863686 **	0.969524696	0.904493136	1.006331901	0.815451117 **	0.874686159 *	0.990655318	0.923691864	0.908284692	0.881348414 *	0.888535791	1.072855908	1.258363331 **	1.190036182 **	0.806152939 **	1.07050275
1386	1	1.05588047	1.297134209 **	0.894691287	1.029015823	0.919642565	1.33359791 **	1.190723553	1.254028665 **	1.197725321 *	1.055642019	1.303251238 **	1.165086335	1.313909009 **	1.214823036 *	1.033810699	1.595860009 **	0.93400644	1.138409623	1.171865818
1388	1	1.09262507	1.199341917 *	1.135457939	1.129074485	1.022898783	0.997931571	1.068265989	1.198129345 *	1.074592199	1.026374032	1.338336425 **	1.241648281 **	1.103061908	1.033536766	1.033007713	1.066324078	1.071393903	1.108814124	1.023815259
1398	1	0.960078599	1.110447475	0.80895058 **	0.973023492	0.77465491 **	0.830097803 **	0.92382644	1.132327781 *	0.970456286	0.881846946 *	0.848182903 **	1.017494165	0.87186907 *	1.034989903	0.896821945	0.893602663	0.774662283 **	1.006224946	0.968039574
1401	1	1.094819055	0.966714743	1.097375287	1.13491085	1.268151252 *	0.919708072	1.10092981	1.18763567	1.761279514 **	0.932352207	1.103663964	1.129425764	1.181265928	0.804244101	1.152102636	2.304272593 **	1.16603539	0.97085217	0.995740456
1405	1	1.04728436	1.010881966	1.027400406	1.069104925	1.046663936	0.760724763 **	0.937550127	1.267387779 **	1.087499188	0.938108968	0.934421977	0.908782444	0.884471519	0.889297122	1.160463961 *	1.059584023	1.00458882	0.948654082	1.048061545
1408	1	1.011789341	0.862101617	1.000061486	0.998962963	1.036393082	1.091723038	1.087614622	1.104657783	1.305904243 **	1.176598214 *	0.990269863	1.045092702	0.997156699	0.973443649	1.115949796	0.939653517	1.019342272	0.918764827	1.016530718
1413	1	0.869672607 *	0.93180321	0.748744742 **	0.981409858	0.837248239 **	0.98706954	0.908392858	1.085956358	0.952795886	0.990633008	0.813436255 **	1.004374041	1.050661777	1.089585638	0.979878393	0.861831649 *	0.942641978	0.987753742	1.05311188
1417	1	0.941901096	1.293834441 **	0.791913886 **	1.086622585	0.862113257	1.143487927 *	1.000668693	1.2715438 **	0.928840932	1.002111756	1.069644114	0.894255804	1.198369641 **	1.072130067	0.995135077	1.195436837 **	0.958336801	1.052996231	0.99944674
1420	1	0.792650864 **	0.656608313 **	0.825378681 **	0.637825563 **	0.69958756 **	0.64546148 **	0.655017204 **	0.632097334 **	0.713259282 **	0.907796652 *	0.739799749 **	0.522287409 **	0.63158427 **	0.775966072 **	0.641428639 **	0.755805335 **	0.826016663 **	0.784235044 **	0.549437528 **
1421	1	1.095397941	1.153058617	0.889780217	0.998674026	0.867720909	0.925128981	1.008057504	1.193685012 *	0.900323689	0.891058045	1.001870004	0.999569945	0.933073771	0.918788398	1.08017654	1.428875915 **	1.070674482	0.847233409	0.961082694
1423	1	1.070935042	0.827800374 **	1.188367879 **	0.867930103 *	0.888466199	0.708758864 **	0.888908155	0.842146866 **	1.095866406	0.935457036	0.887905708	1.01123701	0.970121199	0.987629811	1.020246312	0.914799135	1.178422043 **	1.051850947	1.014503307
1429	1	0.743752291 **	0.620617949 **	0.970856406	0.716469541 **	0.945825509	1.102933579 *	0.966350882	0.612269658 **	0.624979818 **	1.217937662 **	0.619526963 **	0.898426175 *	0.434969929 **	0.608195283 **	0.551111044 **	0.330979592 **	0.808211071 **	0.486991713 **	1.062739621
1433	1	0.743752291 **	0.620617949 **	0.970856406	0.716469541 **	0.945825509	1.102933579 *	0.966350882	0.612269658 **	0.624979818 **	1.217937662 **	0.619526963 **	0.898426175 *	0.434969929 **	0.608195283 **	0.551111044 **	0.330979592 **	0.808211071 **	0.486991713 **	1.062739621
1439	1	1.020039855	1.161134507	1.204671964 *	1.121358886	1.199691325 *	1.234733858 *	0.975949677	0.798141497 *	0.976308738	1.309304608 **	0.923040257	1.003930484	0.609808687 **	0.774171903 *	0.888161951	1.08858037	1.314888353 **	0.639093072 **	1.163381716
1443	1	1.43901018 **	1.076457451	0.95988556	1.233771622 **	1.157376859 *	1.000785628	1.245016632 **	1.061248645	0.887671751	1.0423837	1.260628409 **	1.179432909 **	0.689895981 **	1.169650464 **	1.197622618 **	1.624675553 **	1.418261272 **	0.864419009 *	1.336141325 **
1446	1	1.128186818 *	0.849752967 **	1.113138587 *	0.879895953 *	0.971367821	0.873062672 *	1.025172713	0.736177344 **	1.10388526	0.933269157	1.089430839	0.848856833 **	0.874042775 *	0.99608743	0.897972301	1.213112051 **	1.042473352	1.040890723	0.918107432
1448	1	1.372588828 **	0.810473645 **	0.915478417 *	0.820415123 **	0.959973038	0.721697421 **	0.917714404 *	0.762977157 **	0.989729281	0.853919024 **	0.920266206 *	0.838162591 **	0.930536424	1.047385009	0.771585452 **	1.62416605 **	0.995041638	1.036878252	0.988816046
1453	1	1.2509182 **	1.024382827	0.911314977	0.968571716	0.947354558	0.775666927 **	0.936091818	0.874330253	0.930352319	0.961628522	0.996466556	0.866993513	0.812233167 **	0.968502188	0.806035268 **	1.585581134 **	0.976296988	0.884868174	1.074473657
1457	1	1.105659486	1.312767265 **	1.166361582	1.012935116	1.211490001	0.951018746	1.166146679	1.137954996	1.140945879	0.91240255	1.286349231 *	1.110521309	0.626172614 **	0.977397326	1.146237733	1.754042266 **	1.217868381	1.125933156	1.130759641
1458	1	1.07971373	1.054545543	0.845781016 *	1.094759174	0.874455448	0.940878549	1.046225185	1.081506426	1.039772596	0.93321767	0.989020658	0.897772219	0.985082468	1.041176	0.883718361	1.255120944 **	0.842478035 *	0.96194767	1.068314419
1460	1	0.998248844	1.31767216 **	0.945047349	1.08230239	0.86435952	0.959680084	0.966028223	1.325950706 **	1.068859114	0.953529335	1.13009452	0.917241566	0.988180483	1.011326602	1.018713052	1.04326847	0.940685519	1.058577583	1.060290565
1466	1	1.087219165	1.440284285 **	1.088802191	1.157336138	1.177250674 *	1.021576898	1.034055366	1.508729393 **	1.014304305	1.197006956 *	1.195813056 *	0.985456489	1.279611667 **	0.850727622	1.136674775	1.143216493	1.075966077	0.759281279 **	1.077644057
1480	1	1.081885999	1.584772746 **	1.159711417	1.23983495 *	1.183145539	1.073122021	1.055771792	1.599396113 **	0.850956093	1.281360694 **	1.239369109 *	1.088712723	0.787213661 *	0.785341786 *	1.346997228 **	1.329103325 **	1.175816628	0.718245256 **	1.139283733
1481	1	1.012332606	1.267844541 **	0.995182655	1.032674858	1.007476304	1.057327533	0.943391595	1.493147587 **	0.67140597 **	1.140826159 *	0.815576016 **	0.813630741 **	0.55621374 **	0.671200995 **	1.076627645	1.070604957	0.954170588	0.630779373 **	1.119289806
1482	1	1.0192294	1.376746598 **	1.110599277	1.119458857	1.22154704 **	1.190662937 **	0.912657941	1.281036659 **	1.08450867	1.120062774	1.226195026 **	1.036338363	1.029762558	0.923899406	1.073267902	1.672625324 **	1.100410391	1.044467015	1.042054242
1484	1	1.124272619	0.605576538 **	0.86850513 *	0.760157852 **	0.917783552	0.774055162 **	0.917301354	0.711102385 **	0.926340442	1.061207261	0.713146075 **	0.691350574 **	1.003307789	1.045081921	0.751948313 **	0.575004097 **	0.927022948	1.035943106	0.916820119
1485	1	0.794773495 **	0.756716791 **	0.91949349 **	0.845045969 **	0.944060237	0.820933359 **	0.874403578 **	0.792468603 **	0.749953148 **	0.897473326 **	0.778201809 **	0.789094278 **	0.627350358 **	0.866235274 **	0.855973827 **	0.654392734 **	1.000567027	0.761529179 **	0.937867153 *
1488	1	0.977375093	1.224032284 **	0.964593069	1.139215679 *	0.876509663	0.873364228 *	0.970782248	1.173900282 **	0.933520206	0.890499118	0.947296921	0.940776019	0.740687042 **	1.012695799	0.939026228	1.073905594	0.898639933	0.714354425 **	0.94972588
1489	1	1.007605074	1.22801229 **	0.903593111	1.220946656 **	0.889844161	0.962483387	0.89884751	1.189969934 **	0.884700571	0.952432833	0.905110722	0.926095726	0.791615729 **	1.011885759	0.905654502	1.439568728 **	0.85624749 *	0.735463567 **	1.07683086
1490	1	0.984167649	0.944814769	0.877127055 *	0.879059343 *	0.82224257 **	0.833640868 **	0.899794447	1.129545232 *	1.013151842	0.92680699	0.94436491	0.831402763 **	0.874278501 *	0.883240822	0.990812087	0.938807661	0.768617723 **	0.889502777	1.080301218
1503	1	1.027211562	1.358003332 **	0.878352978	1.345587018 **	1.004522038	1.129569814	1.026705363	1.194418208	0.968221561	1.181957769	1.199344043	1.041606754	1.069326143	0.939392227	1.014852104	1.732508279 **	1.126776857	1.042796747	1.02809667
1508	1	1.114029401	1.130317267	0.948145305	0.962533869	0.982026905	0.963612431	1.087172119	1.069277933	1.061349872	0.960138188	1.243947761 *	0.827571377	0.988253987	0.947985185	1.077891782	1.468575069 **	1.047001833	0.911784068	1.118488649
1511	1	1.025004944	0.880666943 *	0.949146824	0.918864708	0.922468213	0.726463766 **	0.947749359	0.860605533 **	0.994141383	0.834465375 **	0.892456109 *	0.88188438 *	0.918284836	1.051785821	0.849389925 **	1.086642671	0.953446197	0.954420921	0.977450757
1512	1	1.101694888	1.060691515	0.82831208 **	1.050083294	0.890041408	0.845054618 **	1.044993495	1.053376975	0.939153204	0.916498175	0.972258097	0.910054273	0.984080397	1.065925073	0.904550582	1.016794351	0.847994108 **	0.967845558	1.060998272
1514	1	0.968318931	0.692552426 **	0.797110588 **	0.819060255 **	0.870194983 *	0.692236203 **	0.847670265 **	0.888445538	0.943587449	0.843254141 **	0.795834153 **	0.851663472 **	0.826956783 **	0.945823318	0.951502568	0.630395291 **	0.911122245	0.912287733	0.94538068
1516	1	1.014048283	1.041871789	0.850246218 **	1.120686895 *	1.084182072	1.024584765	0.98649072	1.027262714	0.964429758	1.068929807	0.95018895	0.926128329	1.118094074 *	1.036508542	0.944909622	1.033148067	1.038003495	1.115293952 *	0.998250998
1517	1	0.991096072	1.163015203 *	0.779530138 **	1.029992157	0.827778862 *	0.883663738	0.926011804	1.187140552 *	1.014913862	0.897777347	0.915382009	0.83314666 *	0.930101111	1.126978402	0.919518305	1.541332941 **	0.831621379 *	0.979706596	1.082390293
1518	1	1.114057498 *	1.08415368	0.886824764 *	1.014241245	0.961729792	0.88626024 *	0.947706845	1.131785526 **	0.944514503	1.128985687 **	1.005947249	0.921615184	1.146038505 **	1.020814429	0.99214311	0.876555513 **	0.836068381 **	0.99808027	1.013119988
1521	1	0.909627999	0.908623856	0.674223323 **	0.98628143	0.822106856 **	0.834187005 *	0.904991404	1.101370563	0.832060685 *	0.835587625 *	0.730310074 **	0.797283079 **	0.890958582	1.175048699 **	0.874648986	0.996287657	0.790228509 **	0.971692639	1.052887551
1524	1	1.038957077	1.343879719 **	0.940200878	1.118822194	0.891611245	1.046583813	1.111504428	1.2775264 **	1.131592068	0.917631944	1.332165624 **	0.956907769	0.879898276	1.03306443	1.01930569	2.031971131 **	0.926488123	1.048885338	1.24847965 *
1527	1	1.063930137	1.06627948	0.916887238	1.064702335	0.910093283	0.868788239 **	0.922312995	1.058110687	0.960183764	0.990908399	1.079314261	1.023680429	1.020760941	0.99224415	0.889972283 *	1.145613978 **	0.979775348	0.968868318	1.001553232
1537	1	0.941248068	1.001414541	1.045371504	0.930584309	1.004550469	0.888869777	0.991169797	0.973938891	0.950358147	0.926998711	1.017702828	0.986325988	0.816860154 **	0.83892486 *	0.946769774	1.145085519 *	1.009211351	0.907890667	1.077568365
1548	1	0.88294989 *	0.760961424 **	0.805790248 **	0.86928089 *	0.874217161 *	0.843318969 **	0.890069909 *	0.884922779 *	0.913913364	0.909773351	0.861998514 **	0.885031429 *	0.925060278	1.009315845	0.837125072 **	1.211604977 **	0.906183265	0.989638018	0.927341993
1549	1	0.905799337	0.934437276	1.007587639	1.037362331	1.256103824 **	1.063959407	0.878620154	0.994270443	1.051141124	1.117942775	0.982477086	0.952970961	1.007973	0.9129794	1.040174483	0.990359185	1.175863136 *	1.164433978 *	1.114515454
1556	1	0.96704705	0.689149839 **	0.970538651	0.778929291 **	0.940547936	0.965171119	0.832372916 **	0.827737986 **	1.057117421	0.979921973	0.870156196 *	0.807865999 **	1.062895663	1.069767847	0.875064042	0.986494912	1.032493962	1.061405631	0.970541066
1562	1	0.919443707	0.767131361 **	0.911015709	0.841026125 **	0.848708855 **	0.875328511 **	0.98185939	0.849255237 **	0.929966896	1.013398537	0.89379941 *	0.85703952 **	0.917901146	0.90141545 *	0.836630419 **	0.696534902 **	0.951269665	0.895455919 *	0.966044392
1563	1	1.053519314	0.892388382	0.880470726	0.926505704	0.792626982 *	0.887606069	1.070259315	0.862383412	0.942811123	0.954693957	1.024141315	0.861966284	0.837599681	0.894752421	0.846911737	0.835376853	0.923500808	0.747647729 **	1.184293166 *
1572	1	0.976828657	0.945061176	0.757934518 **	0.930917321	0.753723808 **	0.820987535 **	0.88850188	1.221125646 **	0.874054419	0.818237562 **	0.777540978 **	0.953532052	0.821946435 **	1.147407284 *	0.927340887	0.753235328 **	0.850494259 *	1.001600053	1.195953216 **
1579	1	1.062020637	1.194297881 **	0.964933921	0.985157242	0.895285165	0.939173137	1.094916141	1.191253648 **	1.020760934	0.968448863	1.117114808	1.036346588	0.964811498	1.027240733	1.069648553	1.068043208	1.112042739	0.952535815	1.063736828
1632	1	1.087843201	1.476176219 **	1.085771295	1.107066992	1.184514584 **	1.025132819	1.094122189	1.427906034 **	0.955119014	1.203619583 **	1.095530805	1.129590702	0.960231973	0.79125712 **	1.064252502	0.402393281 **	0.97998358	0.848427461 *	1.045851456
1634	1	1.038818501	1.426475227 **	1.138989474	1.031940697	1.239227706 *	1.517045741 **	0.967388978	1.468082192 **	1.33560777 **	1.5618322 **	1.293251066 **	1.175724709	1.902022176 **	1.398055562 **	1.449639785 **	0.295859459 **	1.109055273	1.649530215 **	0.971473417
1635	1	1.095636151	1.503569596 **	1.132970438	1.202582952 **	1.257253299 **	1.23126795 **	1.077611372	1.40612721 **	0.925423669	1.373636925 **	1.023735095	1.089442744	1.045698089	0.806669137 **	1.205757752 **	0.2671646 **	0.93786877	0.867149114	0.995547604
1636	1	1.051265069	0.673971742 **	0.875413589 *	0.824393628 **	0.871181263 *	0.936635644	1.022528036	0.92842754	0.989963852	0.971893941	0.850877054 **	1.150402217 **	1.086809091	0.99876705	0.992381657	0.896498242	0.920486155	0.929030701	1.146694356 **
1639	1	1.02282953	0.830716762 **	0.991553993	0.934452619	0.975815795	0.991804233	0.982044714	0.912162538 *	1.056582784	0.993317239	0.845942177 **	0.93598278	1.028242999	0.949080026	0.917458684	0.879868039 **	0.930729658	1.009092277	1.04265359
1643	1	1.127101041	0.962031104	1.059159852	0.943092122	1.104139282	1.118538282	0.968160579	0.869270761	1.008022238	1.133650681	1.189166532 **	0.990218177	0.97481843	1.05248804	0.986058193	0.945124436	1.249411815 **	1.048755852	1.002751998
1651	1	1.012907885	0.755388174 **	1.025786184	0.875759225 **	0.961974574	0.852003938 **	0.9178296 *	0.81615129 **	1.021157764	0.967641666	1.039956217	0.974307424	0.840358309 **	0.977297809	0.910592345 *	0.965627015	1.115819235 **	0.956164963	0.9731626
1652	1	1.127210315	0.748406215 **	0.994795104	0.845154541 *	0.99062126	0.778761037 **	0.945881991	0.763113049 **	1.071472397	0.944022543	0.914294936	0.828300168 **	0.942452781	0.996321282	0.924039966	0.681259329 **	1.074707302	1.006300399	0.894522947
1657	1	1.143926677	0.842684463	1.016954919	0.839152491	0.990737265	0.866685959	1.002205978	0.80476316 *	1.029213269	0.998099424	0.977583041	0.821306292 *	0.939898596	0.951899993	0.916479175	0.757296264 **	1.076529975	0.996288968	0.95817083
1667	1	1.048215078	1.139478652	0.893283729	1.029424623	0.875616669	0.895803144	1.039243013	1.241631134 **	0.999098386	0.859827249	0.917076593	0.932440591	0.813944089 *	1.194748641 *	1.058957791	1.264197775 **	0.865604638	0.989420236	1.137587663
1685	1	1.066562059	0.80404358 **	1.018045366	0.902863735	0.890748188	0.871859607 *	0.820671363 **	0.816477799 **	1.027334561	0.942198929	0.944953892	0.88957761	0.881129256 *	0.981651622	0.8956025	0.58080111 **	1.066050424	0.925928492	0.961501391
1686	1	1.008024173	0.987363394	0.886206337 *	1.066278643	0.921984655	0.778104385 **	0.979158	1.029250042	1.080083587	0.884315459 **	0.953001078	0.972920098	0.918491957	1.024791766	1.011609487	0.892109948 *	0.922208515	1.092309232	1.028927865
1694	1	1.001090563	1.056085009	0.817532124 **	0.962338512	0.79035731 **	0.833073797 **	0.927641665	1.10528907 *	0.924726823	0.894177181 *	0.876139609 **	0.874969756 **	0.864267285 **	1.029650186	0.957672694	1.008010193	0.829887567 **	0.952409616	1.023502137
1696	1	1.050165329	1.055443108	0.777543875 **	0.951752578	0.917964657	0.995151769	1.190395752 **	1.951958354 **	0.847793612 **	0.969534546	0.949447285	1.441130733 **	1.079582488	1.082565106	1.621377022 **	0.96959535	0.767756704 **	0.94768311	1.097824138
1732	1	1.039373231	1.177780849 **	0.745091113 **	1.009110227	0.819552824 **	0.866205103 **	0.98846108	1.173346359 **	0.921018013	0.834952368 **	0.851889186 **	0.945659483	0.933485945	1.143593084 **	0.92248693	0.821514072 **	0.750200887 **	0.984276291	1.002313128
1736	1	0.962494517	0.96419722	0.908055422 **	0.987845609	0.971579985	0.821736634 **	0.959628519	0.996692365	0.945384212	0.880590433 **	0.904721093 **	1.287192143 **	0.935504904	1.004832754	1.040903071	0.782518711 **	0.976925366	0.988658047	1.003891166
1737	1	0.894651891 *	0.767360609 **	1.050546556	0.852395848 **	0.947329991	0.930723935	0.968422817	0.888372629 *	0.896655593 *	0.934774956	0.735226127 **	0.73277658 **	0.632716168 **	0.879385228 *	0.880070359 *	0.45083878 **	0.979312045	0.707087598 **	0.891674383 *
1738	1	1.273500267 **	1.181219739 **	0.799787414 **	1.076897118	0.953479709	1.106909762	1.169640016 **	1.212688429 **	0.88663903	1.045347029	1.170038367 **	0.9469337	1.173221373 **	1.124271756	0.973213947	1.180225494 **	0.986962171	1.203378055 **	1.030393823
1742	1	1.102380761	1.034729874	0.919071658	1.107271989	1.009186671	0.942756743	1.010647282	1.095533153	1.186769623 **	0.928946157	1.142079144 *	0.992945759	1.343281504 **	1.08309366	0.94731306	0.770965353 **	0.934205164	1.283477711 **	0.872149694
1744	1	0.944522007	0.792747471 **	0.960952194	0.838204324 **	0.974670456	0.923553045	0.946345621	0.800039463 **	0.924879782	0.993809326	0.875499223	0.893376997	1.036034647	1.078340485	0.952963328	0.681831234 **	1.090635894	0.999187129	0.847554982 *

1746	1	0.806456262 *	0.686594967 **	0.913764566	0.906293831	0.860957892	0.870346335	0.901263399	0.765781939 **	0.920723284	1.194627553 *	0.915959914	0.880494026	1.177015281 *	0.980635888	0.800785167 **	0.944875593	0.951628033	1.033470255	1.072837244
1754	1	0.975381483	0.948130916	1.162342498 **	0.929041612	0.918822968	0.734203191 **	1.027569441	0.966059299	0.903006735	0.899927524	0.882233961	0.942204464	0.861167152 *	1.068480336	0.969707236	1.023607399	0.944918325	0.829325024 **	0.972079927
1758	1	0.994776937	0.842190754	0.94436795	0.844498726	0.963381288	1.245855696 *	0.822639199	1.043125706	1.037400354	1.539752234 **	0.960715169	0.928108782	1.203316341	0.923903014	0.951165557	0.973465876	1.129118975	1.185437692	0.990743161
1760	1	0.80301707 **	0.750397863 **	1.003818804	0.83476829 **	0.945667757	0.843348048 *	0.732865721 **	0.801321241 **	0.850876612 *	0.95234476	0.826419492 **	0.836939022 **	0.981579135	1.065220352	0.789739204 **	0.857699604 *	1.023785169	1.038201811	0.832054005 **
1761	1	0.768796457 **	1.229729304 **	1.01873388	1.233497208 **	0.971083686	0.85993908 *	0.946292541	1.11419425	0.739279357 **	0.872529717	0.855675654 *	0.956910987	0.678166402 **	1.189344359 **	0.856923714 *	0.994385131	0.940005744	0.808695899 **	0.894837884
1764	1	1.081922342	0.845406146	1.08265263	0.996471268	1.305794773 **	1.435767477 **	0.970144648	1.100022671	1.10368519	1.623637769 **	1.283489934 **	1.100229181	1.168912427	0.727467502 **	1.082949457	0.978208155	1.313912217 **	1.002689358	0.995387513
1767	1	1.038633494	1.011890015	0.958037564	0.990775558	1.146961212	1.862023957 **	0.905770636	1.084870499	1.174554132	1.929259337 **	1.107255861	0.976223518	1.605748301 **	1.045510425	1.180040787	1.418953667 **	1.219894335	1.315839067 **	0.945101146
1768	1	1.164811617 *	0.795681991 **	0.99611366	0.901351778	1.088745581	1.204529979 **	0.971159953	1.067510026	1.150379195	1.357118632 **	1.040626137	1.03966292	1.206472951 **	0.813837337 **	1.046487696	0.931882228	1.022247862	0.977210648	0.960594152
1777	1	0.795314486 *	0.742201999 **	1.034219771	0.841926975	1.096582193	0.947688847	0.729860647 **	0.944429834	0.98834362	1.000464061	0.918318461	0.893324951	0.905065014	0.931237457	0.90620538	0.906779649	0.987621943	0.992513933	0.966517454
1783	1	1.159423695 *	0.81440707 *	1.017612794	0.957923688	0.845476984 *	0.613777016 **	1.013142806	0.796696667 **	0.905797021	0.800651834 **	0.812804229 *	0.917364042	0.792495281 **	1.069186386	0.868485811	0.606207118 **	1.260004376 **	0.916728086	0.97496393
1788	1	1.044658105	0.795762553 **	0.897357091	1.041381918	0.919932459	0.795126954 **	0.952422084	0.789534692 **	0.950676754	0.975943602	0.819006528 **	0.861411819 *	1.053328895	0.94933825	0.932984299	0.600265927 **	1.064691957	0.964207062	0.889723259
1795	1	0.889652035 **	0.931603986	1.052430854	0.964522694	0.928854691	0.749660247 **	0.9347281	0.882587867 **	0.983690067	0.934640696	0.874628015 **	0.904640505 *	0.851228496 **	1.01291401	0.906801885 *	0.66553907 **	0.886889508 **	0.933241109	0.907487442 *
1799	1	1.043386191	0.97855369	1.063488685	0.858665195	0.770693526 **	0.988134215	0.908039754	1.132291925	0.967099069	1.052212189	0.838694089	1.053251021	0.970987317	1.055811199	1.066414962	0.959330693	1.084987901	0.906841273	1.024270871
1815	1	1.17759308 **	1.139758598 **	0.929035686	1.026012386	0.966066761	0.987865359	1.196695392 **	1.241887868 **	1.085269599	0.934744833	1.116618172 *	1.006224611	1.094006489	0.992131961	0.985471406	1.511710683 **	0.7112057 **	0.94463998	1.067736778
1837	1	0.871193301 **	0.814587214 **	1.139547414 **	0.78132171 **	0.884043762 *	0.874510785 *	1.038684366	0.725970352 **	0.927841226	0.948764108	1.006866946	0.989916748	0.588190849 **	0.8511857 **	0.721989063 **	1.637667722 **	0.972132236	0.763669986 **	0.984954228
1846	1	1.219113001 **	0.986395592	0.869623287	1.035746113	1.007799736	0.902480231	1.03188475	0.849995506 *	0.937651326	0.971252353	0.994099573	0.947861864	0.969696817	1.07303436	0.972978695	0.783797752 **	1.055925957	1.027117331	0.921759628
1847	1	1.192626821 **	0.833864391 **	0.838061914 **	0.956346714	0.845818899 **	0.684827042 **	1.010277353	0.725273324 **	0.945305279	0.879327584 **	0.844105947 **	0.800403064 **	0.887138756 *	1.002697204	0.85792347 **	0.59964435 **	0.97076379	0.961227165	0.921217346
1850	1	1.015584829	1.178493632 **	0.857988579 *	0.996037408	0.839828673 **	0.964905461	1.009841375	1.187799162 **	0.956924955	0.954899252	0.89857744	1.068488957	0.944193859	1.112762665	0.999067116	1.391465795 **	0.834852327 **	0.91193817	1.020401727
1853	1	1.198829117 **	0.928799517	0.885979544	1.004394127	0.913919186	0.634708983 **	1.043959144	0.70297251 **	0.930713538	0.814340454 *	1.001348655	0.845869175	0.852200027	0.934578541	0.885428075	0.640738841 **	1.057593321	0.993885066	1.004366763
1854	1	1.104758107	1.039054729	1.2231834	1.099415663	1.091707969	2.080049992 **	1.204839507	0.807109982	1.119547172	1.668943542 **	1.204213667	1.221437672	1.600813532 **	0.951566889	1.166156925	1.904213116 **	1.168595545	1.117760519	1.069005106
1855	1	1.144027178 **	1.195510288 **	0.741639363 **	1.072076944	0.891052748 **	1.01008627	1.146352481 **	1.079741468	0.988892151	0.935632698	1.063984497	1.024287754	0.843399308 **	1.004983473	0.962965214	0.979626128	0.744263083 **	0.885736279 **	1.067728559
1859	1	0.993368262	1.018798269	1.319160626 **	1.080476874	0.898981507	1.521546164 **	1.055231254	0.986650926	1.034285834	1.440966583 **	1.082178724	1.202376175 **	1.426753148 **	1.066244523	1.03829795	1.377921827 **	0.997329107	1.118121592	0.860900293 *
1860	1	1.038850408	0.94238947	1.054429262	0.917523319	0.948725756	0.742291062 **	0.938956556	0.759138385 **	0.735726562 **	0.87196992 **	0.809937197 **	0.918839847	0.370664871 **	0.784374545 **	0.695381372 **	1.159825441 **	0.941601437	0.542790181 **	1.052099885
1869	1	0.881605208 *	0.696346725 **	0.951367313	0.763552594 **	0.865695483 *	0.925779579	0.976463134	0.813599262 **	1.034049195	1.040737184	0.76220358 **	0.873156255 *	0.939994301	0.981958543	0.90313366	0.529908708 **	0.932788307	1.009647274	0.975372665
1877	1	1.167386096 **	1.18563301 **	1.104434875	1.090121186	1.140151009 *	1.006324046	1.071465835	1.027781757	1.048464569	1.005780088	1.070932663	1.091014838	1.044086017	1.00891568	1.011259708	1.093811405	1.101735744	0.9881856	1.045026913
1881	1	1.175181573 **	0.796052828 **	1.216702897 **	0.877906799 *	1.096148534	0.934725618	1.056923656	0.836942119 **	1.182080679 **	1.017486047	1.088553275	0.871284914 **	1.016808035	0.982043772	0.908806443	1.077978267	1.166864642 **	0.989164426	1.021083586
1889	1	0.897054946	0.903325801	0.9348011	0.975995565	0.779164378 **	0.870345494 *	0.869975802 *	0.94789795	1.082225876	0.899762195	0.911937398	0.997792914	1.068158459	0.92819431	0.964900969	1.041814164	0.935714526	0.9542036	1.089152897
1898	1	1.009576294	0.806293185 **	1.05832105	0.924710903	1.035426967	0.981875144	1.08420944	0.826966732 **	1.036359955	1.017821388	0.915646696	1.1511853 **	0.903676082	0.961766952	0.915679362	0.906049158	1.021568173	0.886127453 *	1.108416121 *
1907	1	1.131679899 *	1.084246833	0.968113499	1.120863426 *	0.75132531 **	0.829252297 **	0.957399543	1.103775336	0.846331243 **	0.858420305 **	0.936857508	0.989251925	0.750126031 **	0.96959851	0.884188963 *	0.686417285 **	0.861670807 **	0.767744642 **	1.103583519
1915	1	1.254648454 **	1.452504269 **	1.145137611 **	1.236129278 **	1.11787179 *	1.008438712	1.151760568 **	1.249204806 **	0.972534641	0.94505845	1.34223701 **	1.174853007 **	0.919559218	1.009564737	1.057213141	1.351110431 **	1.137578012 *	0.905444739	1.158525393 **
1927	1	0.815216579 *	1.045787144	0.915373637	0.913111221	0.736173305 **	0.859449194	0.861738674	0.991029164	0.641856137 **	1.053448922	0.74255449 **	0.826368364 *	0.589260546 **	0.945881477	0.89212447	0.816161986 *	0.899868006	0.498687121 **	0.970568951
1942	1	0.981944906	0.843840154 *	1.100046377	0.899506412	0.846421359 *	0.959047798	0.973624486	0.796891658 **	1.117780964	1.035166919	0.950966311	0.976925788	1.085579249	0.985143445	0.88226844	0.920106536	1.167947407 *	1.045878212	0.94596284
1943	1	1.021518857	1.192090334 **	0.996026583	1.345835209 **	0.942104012	0.832207817 *	0.929878463	0.810242199 **	1.074959809	0.876398802	0.796151138 **	0.859114348 *	0.839337695 *	0.997583081	0.896784778	0.558055192 **	1.085716134	0.922674365	0.983094957
1946	1	0.973040948	0.813603573 **	1.010840239	0.859125423 **	0.972911976	0.853848513 **	0.885298019 *	0.915896082	0.984371262	0.98310815	0.799138713 **	1.036714278	0.950837425	0.952395649	0.993372161	1.001176308	1.010206239	0.914107999	0.930474074
1962	1	1.003455775	1.018613941	0.900574434	1.008664737	0.910923726	0.88608582	1.006703826	0.992835622	0.953217066	0.912131768	0.996125629	1.0578339	0.849791811 **	0.987208701	0.891962709	1.171378754 **	1.019725783	0.972287331	1.090708663
1967	1	0.991931312	1.099903831	1.424793507 **	1.050449869	0.999074001	1.060727413	0.989262732	0.988146747	1.075150845	1.070145446	1.302274973 **	0.921241304	1.258779 **	0.902580259	1.0822382	1.69470703 **	1.242265631 **	0.933661079	1.111732412
1972	1	1.071892517	1.298540275 **	1.418184722 **	1.068974276	1.066766718	1.076434205	1.232533354 *	1.099042228	1.288536903 **	1.002210427	1.781111786 **	1.053548974	1.183729476	0.974855432	1.11288814	5.345243031 **	1.282745439 **	1.118953754	0.978512005
1990	1	0.771296086 *	0.521190565 **	0.743868556 *	0.508336432 **	0.724755858 **	0.94281086	0.856848112	0.741087529 *	0.871983695	0.853515636	0.556232299 **	0.744290975 *	0.929403439	1.00436377	0.86271083	0.333778963 **	0.708695442 **	0.871282572	0.956073925
1999	1	0.916638174	0.814323631 **	0.935558895	0.912794696	1.002824157	1.192579053 **	0.867871941	0.922478198	1.012292653	1.128964917	0.897876134	0.90032359	1.066765793	0.972527171	1.025402813	0.772473895 **	1.043757286	0.956124446	0.963362218
2000	1	1.142609395 **	0.648411717 **	1.117765984 *	0.808296568 **	1.060067462	0.956358151	1.129370179 **	0.887541545 *	1.123260754 **	0.958454827	1.089087995	1.11666728 *	1.270991032 **	1.053183003	1.062506492	0.737717584 **	1.262480411 **	1.046069409	0.998835286
2010	1	0.984456372	1.020769811	1.00953969	0.991588898	0.942941772	1.063802911	1.068697032	0.85896409	1.163877368	1.063722133	1.161958021	1.052820186	1.095231004	1.058802238	0.933935459	1.928893848 **	1.287994259 **	1.174559018	1.155777802
2013	1	1.26934598 **	0.991600928	1.153960616	1.117254224	1.497230438 **	1.045539686	1.160878398	0.922533479	0.782188475 **	1.172964877	1.241704022 **	1.166088812	0.578609354 **	0.958300628	1.02450907	0.834248566	1.56601733 **	0.606178247 **	1.064143963
2014	1	1.113032593	0.681598504 **	0.948861069	0.667019618 **	0.899431219	0.750297224 **	0.959198081	0.655604521 **	0.943913544	0.831053622 **	0.891690932	0.839003644 **	0.814587213 **	1.121180339 *	1.058064853	1.093903489	1.036189844	1.049606851	0.864334103 *
2036	1	1.105792833	0.750968841 **	0.880497581	0.834038582 *	1.014555424	0.934559196	1.055588343	0.72522246 **	0.913419922	1.023203147	0.854084407	0.826515789 *	1.01712272	1.007945309	0.855025002	0.776300742 **	1.143225087	0.95189913	0.901821917
2038	1	0.783162795 **	0.565256402 **	0.771329346 **	0.555225688 **	0.828340676 *	0.962302394	0.853406108	0.706631088 **	0.941033852	0.903303674	0.505400359 **	0.7415497 **	0.900317892	0.95607675	0.810274665 *	0.232471412 **	0.610209167 **	0.906436083	0.934995372
2041	1	1.076877311	0.738334414 **	0.961992506	0.828924252	0.909087835	0.968093502	0.990096203	0.931699318	1.185700125 *	1.011052491	0.876652711	0.984944776	1.036544716	1.019229668	1.031525096	0.947919087	0.994532034	1.149063232	1.374474328 **
2044	1	1.162613735 **	0.707096847 **	0.882657528 *	0.84178091 **	0.976776533	0.828092445 **	1.025288846	0.705822564 **	0.974865346	0.950910093	0.796030635 **	0.759247812 **	0.974652668	0.968275411	0.830592552 **	0.677764627 **	1.104776664 *	0.971141196	0.952524482
2051	1	0.856246789 *	1.011588677	0.932758595	0.943985279	0.844949373 *	0.925126138	0.932862819	0.86669998 *	0.684166322 **	1.043685867	0.699978053 **	0.907201114	0.600908772 **	0.988742728	0.827095975 **	0.750078669 **	0.921060078	0.555301102 **	0.920993794
2068	1	1.119915066	0.990668985	1.0037791	0.926842963	1.014125797	0.991218518	1.045522893	0.88142074	1.067637965	1.053868669	0.955476375	0.869412392	1.005680223	1.074255852	0.923462504	0.743961145 **	1.015045022	1.103474536	0.96534672
2072	1	1.075050424	0.740368704 **	1.097713369	0.775895889 *	0.98279602	0.915662812	1.005105947	0.829056608	1.130553714	0.962474764	1.012407268	0.784821723 *	0.937406244	1.017515064	0.978483395	0.643828274 **	1.076472549	1.09880561	0.994460834
2073	1	0.883960476 *	1.20930653 **	1.085108119	1.026486462	0.970270025	0.844511559 **	0.981217296	0.927403956	0.951892745	0.969606134	0.866599132 *	0.884785623 *	0.899117693	1.070925458	0.78232084 **	0.600885423 **	0.86687409 *	0.885283621 *	0.884707962 *
2075	1	0.921471124	1.280275487 **	0.870040846	1.154100121 *	0.831189193 **	0.915134585	0.919886628	1.254138157 **	1.024605972	0.96884569	0.914646379	0.989291847	1.01719145	1.04437115	1.0240087	0.853899437 *	0.805889142 **	1.006448338	1.045665778
2080	1	1.057605756	0.816282841	1.401047873 **	0.811441513	1.196223125	0.866368594	0.981982037	0.873244261	1.204148199	1.01357556	1.273916123 **	0.819307099	0.885321651	0.847406778	1.059655628	0.653499304 **	1.211998795	1.093599709	0.963475679
2082	1	1.077895044	1.20514063 **	1.066026296	1.078058484	1.236260198 **	0.91953337	1.019482357	1.094891208	1.004463335	0.987545529	1.113355126	1.101562924	0.951404065	1.096407046	1.005018819	1.031013449	1.073771884	1.172545317 *	1.014186854
2088	1	1.029167939	0.648845607 **	1.026884982	0.751249943 **	0.862734682	0.996039465	1.052623903	0.800741954 **	1.121442257	0.989015922	0.960352337	0.915543346	0.943770195	0.943883788	0.988627146	0.692559354 **	1.021867667	0.980426036	0.94292091
2092	1	1.025682805	1.183745596 **	0.894835854	1.092101612	1.068112144	1.018625658	1.029242101	1.112794528	0.720356818 **	0.988818161	0.93226142	1.064200014	0.651671198 **	1.028779108	0.933227899	0.937421342	0.933504361	0.754057613 **	0.917073822
2095	1	1.091660814	0.797210286 **	1.273333571 **	0.843392591 *	1.075904246	0.950960317	1.050439135	0.831105463 **	1.143774007 *	0.931044088	1.094505918	0.864294165	0.892518492	0.983404764	0.991458033	0.616845152 **	1.091885324	1.014537077	1.020511857
2103	1	1.26934598 **	0.991600928	1.153960616	1.117254224	1.497230438 **	1.045539686	1.160878398	0.922533479	0.782188475 **	1.172964877	1.241704022 **	1.166088812	0.578609354 **	0.958300628	1.02450907	0.834248566	1.56601733 **	0.606178247 **	1.064143963
2104	1	1.296952787 **	0.950137832	1.161668872 *	1.041761537	1.262912752 **	0.962542671	1.214760752 **	0.89385895	0.766698042 **	1.008416737	1.003099052	1.10979105	0.526433906 **	1.027950693	1.040649613	0.92839646	1.35634087 **	0.554612018 **	1.23552063 **
2107	1	1.007649274	0.671109562 **	0.878103162	0.849391539 *	0.882327547	1.019447697	1.021008656	0.721734261 **	0.970117227	0.993974455	0.928172397	0.790950111 **	0.649436408 **	0.979554013	0.866676098	1.28323755 **	0.819185392 **	0.931484383	0.973739732
2108	1	0.917776276 *	1.135658381 **	0.779460966 **	1.099747497 *	0.792832469 **	0.919615569 *	0.906106429 *	1.06008411	0.626403891 **	0.907650235 *	0.773895024 **	0.915178204 *	0.599599079 **	1.03749854	0.838477884 **	0.64683354 **	0.794214216 **	0.566485277 **	0.882989188 **
2115	1	0.993632782	1.227668949 **	0.757967359 **	1.134566863	0.929931936	0.937431298	0.991988352	1.246168208 **	0.890694749	0.973599612	0.969495214	1.071322857	0.978360383	1.148240168	0.965118795	0.85254736	1.019168601	0.943968189	1.02198323
2117	1	0.951999261	0.815094647 *	0.893828178	0.915631182	0.954647999	0.914622652	0.972573576	0.889966404	0.945167774	0.919664471	0.988825736	1.195672326 **	0.834684913 *	1.026656555	0.96667219	1.467970178 **	1.023191119	0.95614592	1.024147275
2123	1	1.10583651	0.782956078 **	1.2767015 **	0.808023155 *	1.088117727	0.945913587	1.028664153	0.7869779 **	1.034763144	0.897154355	1.02523093	0.820546506 *	0.913101625	0.963433306	0.951735378	0.583041934 **	1.014661794	0.953671353	1.067516329
2125	1	1.081409438	0.665478666 **	0.956142006	0.782180342 **	0.957025835	0.888728923	1.064359486	0.742367986 **	1.011251502	0.999417651	0.921194227	0.776301189 **	0.954422311	0.953711234	0.887938717	0.591269661 **	0.975755863	1.050620792	1.032706193
2140	1	1.052402174	0.71555958 **	1.132669572 **	0.748646426 **	0.993096101	0.818414891 **	0.96365062	0.786813207 **	1.113195923 *	0.940068772	0.948654587	0.751608294 **	0.955303709	0.989682681	0.86782299 **	0.675689709 **	1.07141664	0.981942064	0.903622239
2196	1	0.981329932	0.766999312 **	0.921017327	0.744380874 **	0.999753642	0.952178176	0.944876891	0.823320037 *	0.964681275	0.988875637	0.806411167 **	0.866132325	0.677218081 **	0.969869007	1.016492874	0.572798526 **	0.897910008	0.782533379 **	0.868122907
2207	1	0.652685183 **	0.555123536 **	0.802671179 *	0.75591809 **	0.873490245	0.820755299 *	0.720009939 **	0.751696278 **	0.891453078	0.978579651	0.585898995 **	0.976143819	1.000149118	1.008914056	0.751451419 **	0.648145205 **	0.802147735 *	0.92433819	0.945330172
2216	1	0.857233145 **	1.026176958	0.746146782 **	1.027829298	0.757986027 **	0.932059388	0.83848885 **	1.108501577 *	0.961003688	0.967453261	0.86970164 **	0.927914668	1.092912985	1.090028408	0.921864425	0.803264338 **	0.771240074 **	1.007569893	1.025980948
2220	1	0.860279824	1.23400811 **	0.804153476 **	1.060218987	0.708303426 **	0.77374201 **	0.976510832	1.053470362	0.926940026	0.815792195 **	0.727630127 **	0.815811013 **	0.928636267	1.155907547 *	0.871681871	0.704672255 **	0.903490306	0.955361829	0.957361718
2247	1	0.864719847 **	0.998556385	0.94549885	0.99127824	0.855073564 **	0.907840021 *	0.976226209	1.015562156	1.005069705	0.950693698	1.011670232	0.980822568	0.826221089 **	0.928586219	0.905957992 *	0.649572017 **	0.914747758	0.875241255 **	1.008191401
2249	1	1.014086909	0.879827646	0.617818969 **	0.998588848	0.692189732 **	0.790078667 **	0.897696589	1.057673349	0.854332009	0.887732264	0.634934042 **	0.791522759 **	0.993802413	1.163018072	0.76625271 **	0.768293131 **	0.63479655 **	0.973944405	1.10100458
2251	1	1.003382859	0.739225964 **	1.01359786	0.819135931	1.10727894	1.07762959	1.045567401	0.862899798	0.975536607	1.243322008 *	0.855006052	0.924810816	1.317007981 **	0.79142975	0.992410865	1.051698124	1.029899842	0.919097232	0.976963165
2255	1	0.977163037	1.155727948	0.752100347 **	0.990022473	0.819510526 *	0.897328175	0.869827837	1.168616599 *	0.975570979	0.788814542 **	0.934524981	0.953023363	0.980992382	1.163224127	0.830136498 *	1.632231497 **	0.916581936	1.018956298	1.092455985
2262	1	1.033950386	0.665267328 **	1.029032723	0.77932505 **	1.051769483	1.11235203	0.851191574	0.735115511 **	1.067080009	1.067515984	0.942147038	0.877462136	1.027586383	1.069408944	0.918055654	0.68444393 **	1.179529012 *	1.139319783	0.941016659
2264	1	1.146812751	0.778890847 **	1.199904307 *	0.818599615 *	1.095775596	1.052845456	1.028199531	0.888235988	1.111232133	0.983726256	1.3939072 **	1.120120416	0.935487729	0.972156973	0.926849772	0.872366188	1.295951893 **	1.165578143	0.916687503
2275	1	1.059354929	0.865429364	1.847653051 **	0.968909191	1.335095522 **	1.073740489	1.189434858	1.075057595	1.33462474 **	1.005709285	1.896711389 **	0.999714652	1.108182953	0.927961615	1.08949534	1.270074109 *	1.209834124	1.043088037	1.147226628
2276	1	0.94940241	0.640103303 **	0.822735937 **	0.827554961 **	0.892821681	0.822798943 **	0.938314622	0.818937758 **	0.851251245 **	0.942326791	0.82532854 **	1.11134686	0.950758733	1.085437616	0.936600045	0.639538981 **	0.885199591	0.981285985	0.970235154
2284	1	0.972513549	0.469736971 **	0.813566979	0.74958774	1.029683377	0.861587276	0.802635943	0.867720151	0.862978381	0.969904882	0.696899848 *	0.712051384 *	0.934782655	1.009746549	0.936002929	0.496549538 **	1.045423841	1.199513662	0.768921888
2300	1	1.015867057	0.697052773 **	1.13324829	0.826484734 *	1.228790226 **	0.928233039	1.071925985	0.827944101 *	1.10939967	1.004816726	1.435681492 **	0.965655178	1.094685107	0.938311396	0.885301049	1.058847541	1.308005974 **	0.97781139	0.940166165
2309	1	0.960895186	0.566394017 **	0.902918158	0.764618764 **	0.975580404	0.829847467 **	0.832345318 **	0.710544907 **	0.978259844	0.978695014	0.75532631 **	0.723551534 **	1.06491936	1.008106291	0.864551471 *	0.572751959 **	0.978045628	1.008760531	0.907302242
2311	1	0.948181621	0.925872505	1.243154481 **	0.904127589	1.009971376	0.882619888	0.808055086 **	0.933571483	1.099397059	0.895384283	1.339176715 **	0.961658408	0.995819423	0.926529404	0.989308275	1.210496893 **	0.997180575	0.9842868	0.749352689 **
2326	1	1.090146379	0.957573323	1.167326943	0.93540891	1.074325922	0.808429316	1.020467583	1.343242262 **	1.170625239	0.867185537	1.443849703 **	1.181191107	0.944297539	0.894931781	1.372965479 **	0.802304392	1.217385067	1.09029773	1.063904966
2330	1	1.048422385	0.658984718 **	0.812653317 **	0.744740953 **	0.760619689 **	0.812432464 **	1.012682227	0.766357715 **	0.875048877 **	0.924135827	0.770199051 **	1.1151773 **	0.830727724 **	0.936745569	0.889718512 **	0.678156127 **	0.824394715 **	0.854989562 **	1.071990365
2331	1	1.040410099	0.777248806 **	1.056342527	0.877405597 **	0.977023426	0.808939929 **	0.95526099	0.716495792 **	0.786322928 **	0.910291977 *	0.893070097 *	0.737949949 **	0.573760623 **	0.804803082 **	0.76343078 **	0.739045317 **	1.065770901	0.641321563 **	0.985790309
2334	1	1.092976473	1.117207626	1.231574725 **	1.304199375 **	1.476948645 **	1.273468686 **	1.096791281	1.267115666 **	0.907093471	1.059243083	2.053392843 **	1.304310845 **	1.106850345	1.230221257 **	1.024324437	1.588684921 **	1.572778903 **	1.202723784 *	0.980362973
2341	1	1.042032804	0.691536917 **	0.968565122	0.806468626 *	0.961940282	0.933325837	0.909526609	0.645105613 **	1.061738207	1.005433499	0.848889109	0.781461016 *	1.108443289	1.009570247	0.960511695	0.898972897	1.054410883	1.066361229	1.03757433
2345	1	1.130712394 *	1.203927002 **	1.133476462 *	0.964308532	1.190088083 **	1.309373849 **	1.145647153 *	1.367711167 **	1.148461684 *	1.034471739	1.493328945 **	1.171482871 **	1.35544656 **	1.226838187 **	1.035188426	2.096080349 **	1.232949423 **	1.185159558 **	1.197707613 **
2356	1	1.124704216 *	0.702985519 **	0.945298895	0.867526079 *	0.963400519	0.76105117 **	0.91365798	0.709666196 **	1.058731642	0.877834009 *	0.774598791 **	0.783671877 **	1.0464545	0.993936376	0.880526115 *	0.612814753 **	1.009393598	1.009197172	0.938909552
2362	1	1.099450439 **	1.104235735 **	0.834108175 **	0.85464388 **	0.735358513 **	0.878358768 **	1.043366184	1.096385139 **	0.896054841 **	0.893016724 **	0.872365241 **	0.915492356 *	0.895069473 **	1.039029447	0.900753749 **	0.881019344 **	0.755735965 **	0.847818948 **	1.032858312
2365	1	1.053484531	1.218356008 **	0.806072562 **	1.084616602	0.815910786 **	0.811280994 **	0.939687665	1.320797281 **	1.026683257	0.883097178 *	0.961287439	0.889217229 *	0.873253997 **	1.077223744	0.966036947	1.093098413	0.827242988 **	1.021337273	1.067808059
2366	1	1.130027505	1.034153854	1.514098708 **	0.819679476	1.187247819	1.258785074 **	1.113142394	0.98531294	1.287407818 **	1.106727152	1.556740287 **	1.109323568	1.266434347 **	0.91725995	0.959484609	1.45619202 **	1.734417756 **	1.054355713	0.975162756
2368	1	1.418506863 **	1.429023898 **	1.045515418	1.438163489 **	1.216147759 **	1.059757085	1.251193578 **	1.693194016 **	1.178225645 **	1.010892004	1.477870388 **	2.631525247 **	1.438425783 **	1.913106269 **	1.468099934 **	1.221802372 **	1.258299364 **	1.204229222 **	1.361856817 **
2372	1	1.833474711 **	2.25324695 **	1.554921302 **	2.028943209 **	1.87739218 **	1.203135672	1.629488889 **	2.377484431 **	1.580401058 **	1.043959098	2.076610718 **	4.009025035 **	2.110297327 **	2.305397999 **	2.108662084 **	1.026039901	1.670835918 **	1.608970064 **	1.80882685 **
2373	1	0.98656703	0.702912561 **	0.750580333 **	0.856875503 *	0.856931267 *	0.937790437	0.911649135	0.844498878 **	0.802068038 **	1.020720771	0.82888115 **	1.08973981	0.976191846	1.060200808	0.897068744	0.76428205 **	0.907130655	0.927406428	0.977345233
2374	1	0.972319114	0.622084234 **	0.70871485 **	0.732573011 **	0.818304641 **	0.793993717 **	0.957405493	0.896170422 *	0.848906034 **	0.887760633 **	0.78616366 **	1.008640654	0.896253216 *	1.022647705	0.869021847 **	0.564962433 **	0.855698284 **	0.881045825 **	1.000195848

2378	1	1.156224718 **	1.119965652 *	1.186054183 **	0.930283228	0.993131288	0.779249372 **	1.207054613 **	2.062888857 **	1.158412646 **	0.997130724	1.331178953 **	1.076602229	0.876983873 *	0.72903818 **	1.62090956 **	2.314786619 **	1.020753229	0.97769085	0.993651103
2382	1	1.07983357	0.994191583	0.883226339	0.847210936 **	0.853042882 *	0.798800363 **	1.031730573	1.900307374 **	1.035019361	1.065535307	0.986113289	0.92772866	0.887603957	0.774942036 **	1.646572245 **	2.303103085 **	0.859572575 *	0.910419961	0.930875054
2383	1	1.329190118 **	1.110735384	1.014836602	0.920943346	0.94245229	0.995719175	1.266055715 **	1.023538397	1.130784053	1.01442455	1.071629289	1.050500388	0.984558888	1.094350775	1.034433959	0.939812027	0.969016788	1.056934845	1.343005257 **
2395	1	1.151638067 **	0.746676335 **	1.120094973 **	0.817335106 **	0.985809795	0.843688844 **	1.075429369 *	0.862103439 **	1.077956955 *	0.911710548 **	0.991521554	0.912819002 **	0.966639955	1.003970892	1.005415379	0.82216933 **	1.052698435	1.007264479	0.965171462
2396	1	1.16904634 *	0.896449382	1.061818047	0.832647133 *	0.815481564 **	0.878992065	1.069806939	0.834310338 *	1.084932683	0.927190744	0.88051067	0.842050953 *	0.80975111 **	0.998057471	0.863517299	0.491840664 **	0.951471408	0.807142359 **	1.046483719
2401	1	0.986611226	0.663426523 **	0.84082333 *	0.828880855 *	0.95372248	0.839938221 *	0.954625331	0.90576684	0.939391846	0.922069713	0.754711319 **	1.050087264	0.924297049	1.208835171 **	0.950653792	1.163608505 *	0.907577236	0.978945189	1.052651082
2406	1	1.163054923 *	0.923241236	1.039107262	0.945677387	0.985064391	1.049677258	1.016559144	0.733286608 **	1.12337112	1.020537313	0.955356676	0.835405835 *	0.948262382	1.044751249	0.908609027	0.691298633 **	1.124196858	0.978768144	1.029106421
2412	1	1.106467674	1.014062893	0.919075247	0.869421474	0.829637747 *	0.8850322	1.065046865	1.663209649 **	1.005869694	1.036814226	1.037694937	1.031754845	1.020534696	0.811274415 **	1.41583467 **	2.218703293 **	0.906607421	0.921099726	0.935189251
2420	1	1.282914891 **	0.735079329 **	1.134853968	0.77859556 *	1.242140818 **	0.903972837	1.200842468 *	0.799825426 *	1.063757623	1.049306277	1.086280678	0.863535265	0.996188603	0.973477052	0.967993492	1.248265014 **	1.202287889 *	0.919985853	1.002307872
2438	1	0.960817348	0.547788307 **	1.068342147	0.847055823	0.931809533	0.874262322	1.224807238	1.131603822	1.179332691	1.02488419	1.170941367	1.126088017	1.118513846	0.998367558	1.014587933	0.91368798	1.017449829	0.991639355	1.00863258
2450	1	0.967307941	0.69809128 **	0.828766659 **	0.878771827 *	0.879924515 *	0.931517583	0.957159898	0.803878291 **	0.891027385 *	1.011821916	0.834381524 **	0.999739597	0.96226942	1.05479112	0.917508245	0.826958851 **	0.978109657	0.911279892	0.971025563
2455	1	1.034571489	0.724073899 **	0.915180301	0.791390622 **	0.900957328	0.765053805 **	0.955290459	0.831143036 **	1.068441062	0.903170576	0.804630537 **	0.864508137 *	0.958577912	1.022894014	0.945613672	0.600777202 **	0.97790886	1.000663188	0.967057578
2462	1	1.129785584	0.749278873 **	1.029398957	0.801728017 **	1.001951053	0.909024355	1.053223516	0.811104307 **	1.121796852	0.960122011	0.960814484	1.031106362	1.058275173	1.045468731	0.890118742	0.7717347 **	1.131995459	1.054247317	1.057437745

The mean ratios of identified spots between control and inhibitor-treated cells are listed. Non-repeated measures ANOVA and Dunnet's test for post hoc analysis were performed. Asterisks indicate significant differences from respective controls (*P < 0.05, ** P < 0.01).