Rank Kinase AJSD μ=200 AJSD μ=700 AJSD μ=700 stdev AJSD μ=700 stdev i=1 score μ=200 i=1 score μ=200 i=1 score μ=700 i=1 score														
2 PLK2 0.002868 0.008004 0.000219 0.000551 0.985813 0.000234 0.988681 0.000139 0.947011 0.000652 0.955015 0.000883 3 p.38-beta 0.002128 0.004866 0.000142 0.000559 0.991052 0.000239 0.99318 0.000109 0.950254 0.000766 0.955139 0.00071 4 LIMK1 0.001324 0.00326 0.000115 7.8e-05 0.99281 0.000157 0.994215 5e-05 0.967169 0.000787 0.970429 0.000757 5 ACWR1 0.00124 0.003284 7.2e-05 9.1e-05 0.992891 0.000116 0.994165 8e-05 0.967274 0.000582 0.970558 0.000766 6 TXK -0.00639 0.004925 0.000119 0.00312 0.985845 0.000162 0.985206 7.6e-05 0.951784 0.00062 0.956709 0.000636 7 TESK1 -0.000433 0.003711 0.000208 0.985206 7.6e-05 0.	Rank	Kinase	ΔJSD μ=200	ΔJSD μ=700	ΔJSD μ=200 stdev	ΔJSD μ=700 stdev	i=1 score μ=200	i=1 score μ=200 stdev	i>1 max score μ=200	i>1 max score μ=200 stdev	i=1 score μ=700	i=1 score μ=700 stdev	i>1 max score μ=700	i>1 max score μ=700 stdev
3 p38-beta 0.002128 0.004886 0.000142 0.000559 0.991052 0.000239 0.99318 0.000109 0.950254 0.000706 0.955139 0.000741 4 LIMK1 0.001324 0.00326 0.000115 7.8e-05 0.99291 0.000157 0.994215 5e-05 0.967169 0.000787 0.970429 0.000757 5 ACVRI 0.00124 0.003284 7.2e-05 9.1e-05 0.992925 0.000116 0.994165 8e-05 0.967274 0.000582 0.970558 0.000766 6 TXK -0.000639 0.004925 0.000119 0.000312 0.985845 0.00162 0.985206 7.6e-05 0.951784 0.000662 0.956709 0.000636 7 TESKI -0.000433 0.003721 0.000208 0.000775 0.986106 0.000209 0.985672 9.6e-05 0.95243 0.000868 0.955964 0.000955 8 LKBI -0.01076 0.003918 0.00014 0.979241 0.000508 0.978165 0.000371 0.930246 0.001162	1	PLK3	0.005261	0.010877	0.000201	0.000314	0.981519	0.0001	0.98678	0.000286	0.936354	0.000988	0.947231	0.000922
4 LIMKI 0.001324 0.00326 0.000115 7.8e-05 0.992891 0.000157 0.994215 5e-05 0.967169 0.000787 0.970429 0.000757 5 ACVRI 0.00124 0.003284 7.2e-05 9.1e-05 0.992925 0.000116 0.994165 8e-05 0.96774 0.000582 0.970558 0.000576 6 TXK -0.000639 0.004925 0.000119 0.000312 0.995845 0.000162 0.985206 7.6e-05 0.951784 0.000662 0.956709 0.000636 7 TESKI -0.000433 0.003721 0.000208 0.000775 0.986106 0.000209 0.985672 9.6e-05 0.951784 0.000662 0.956709 0.000636 8 LKBI -0.001076 0.003918 0.000145 0.000114 0.009508 0.978165 0.000371 0.952243 0.00088 0.955964 0.000159 9 VRK2 0.00314 -0.00315 0.000508 0.988209 0.00021 0.99124 0.000	2	PLK2	0.002868	0.008004	0.000219	0.000551	0.985813	0.000234	0.988681	0.000139	0.947011	0.000652	0.955015	0.000883
5 ACVR1 0.00124 0.003284 7.2e-05 9.1e-05 0.992925 0.000116 0.994165 8e-05 0.967274 0.000582 0.970558 0.000576 6 TXK -0.000639 0.004925 0.000119 0.000312 0.985845 0.000162 0.985206 7.6e-05 0.951784 0.000662 0.956709 0.000636 7 TESK1 -0.000433 0.003721 0.000208 0.000775 0.986106 0.000209 0.985672 9.6e-05 0.952243 0.000868 0.955964 0.000955 8 LKB1 -0.001076 0.003918 0.000145 0.000114 0.979241 0.000508 0.978165 0.000371 0.930246 0.001162 0.934164 0.001139 9 VRK2 0.003014 -0.00355 0.000452 0.000588 0.988209 0.000201 0.991224 0.00058 0.950711 0.000632 0.95161 0.000763 10 PLK1 -0.003066 0.004868 0.000271 0.000458 0.981399	3	p38-beta	0.002128	0.004886	0.000142	0.000559	0.991052	0.000239	0.99318	0.000109	0.950254	0.000706	0.955139	0.000741
6 TXK -0.00639 0.004925 0.000119 0.000312 0.985845 0.000162 0.985206 7.6e-05 0.951784 0.000662 0.956709 0.000636 7 TESKI -0.000433 0.003721 0.000208 0.000775 0.986106 0.000209 0.985672 9.6e-05 0.952243 0.000868 0.955964 0.000955 8 LKB1 -0.001076 0.003918 0.000145 0.000114 0.979241 0.000508 0.978165 0.000371 0.930246 0.001162 0.934164 0.001139 9 VRK2 0.003014 -0.00055 0.000452 0.000508 0.988209 0.000201 0.991224 0.000558 0.950711 0.000632 0.950161 0.000763 10 PLK1 -0.003066 0.004868 0.000271 0.000445 0.992272 0.00029 0.989206 4.3e-05 0.954653 0.000977 0.959522 0.000936 11 FGFR2 -0.002789 0.003716 0.000133 0.000188 0.981399 0.000135 0.97861 0.000242 0.934387 0.000219 0.938103 0.000388 12 MARK1 -0.006394 0.00499 0.00011 0.000158 0.988004 0.000164 0.98161 0.00016 0.958538 0.000778 0.963528 0.000651 13 MARK4 -0.006326 0.004708 0.000175 0.000326 0.988073 0.000166 0.981747 0.000109 0.958339 0.000771 0.963047 0.000675 14 BRSK2 -0.006473 0.004753 0.000153 0.000154 0.988159 0.000123 0.981685 9.5e-05 0.958438 0.000211 0.963191 0.000178 15 TNNISK -0.009064 0.00216 0.00019 0.000314 0.975921 0.000564 0.966857 0.000397 0.91855 0.000902 0.920566 0.00071	4	LIMK1	0.001324	0.00326	0.000115	7.8e-05	0.992891	0.000157	0.994215	5e-05	0.967169	0.000787	0.970429	0.000757
7 TESK1 -0.000433 0.003721 0.000208 0.000775 0.986106 0.000209 0.985672 9.6e-05 0.952243 0.000868 0.955964 0.000955 8 LKB1 -0.001076 0.003918 0.000145 0.000114 0.979241 0.000508 0.978165 0.000371 0.930246 0.001162 0.934164 0.001139 9 VRK2 0.003014 -0.00055 0.000452 0.000508 0.988209 0.000201 0.991224 0.000558 0.950711 0.000632 0.950161 0.000763 10 PLK1 -0.003066 0.004868 0.000271 0.000445 0.992272 0.00029 0.989206 4.3e-05 0.954653 0.000977 0.959522 0.000936 11 FGFR2 -0.002789 0.003716 0.000133 0.000188 0.981399 0.000135 0.97861 0.000242 0.934387 0.000219 0.938103 0.000388 12 MARK1 -0.06394 0.00499 0.00011 0.000158 0.988073	5	ACVR1	0.00124	0.003284	7.2e-05	9.1e-05	0.992925	0.000116	0.994165	8e-05	0.967274	0.000582	0.970558	0.000576
8 LKB1 -0.001076 0.003918 0.000145 0.000114 0.979241 0.000508 0.978165 0.000371 0.930246 0.001162 0.934164 0.001139 9 VRKZ 0.003014 -0.00055 0.000452 0.000508 0.988209 0.000201 0.991224 0.000558 0.950711 0.000632 0.950161 0.000763 10 PLK1 -0.003066 0.00488 0.000271 0.000445 0.992272 0.00029 0.989206 4.3e-05 0.954653 0.000977 0.959522 0.000936 11 FGFR2 -0.002789 0.003716 0.000133 0.00188 0.981399 0.000135 0.97861 0.000242 0.934387 0.000219 0.938103 0.000388 12 MARK1 -0.006394 0.00499 0.00011 0.000158 0.988004 0.000164 0.98161 0.00016 0.958538 0.000778 0.963528 0.000651 13 MARK4 -0.006326 0.004708 0.000153 0.988159 0.000123	6	TXK	-0.000639	0.004925	0.000119	0.000312	0.985845	0.000162	0.985206	7.6e-05	0.951784	0.000662	0.956709	0.000636
9 VRK2 0.003014 -0.00055 0.000452 0.000508 0.98209 0.000201 0.991224 0.000558 0.950711 0.000632 0.950161 0.000763 10 PLK1 -0.003066 0.004868 0.000271 0.000445 0.992272 0.00029 0.989206 4.3e-05 0.954653 0.000977 0.959522 0.000936 11 FGFR2 -0.002789 0.003716 0.000133 0.00188 0.981399 0.000135 0.97861 0.000242 0.934387 0.000219 0.938103 0.000388 12 MARK1 -0.006394 0.00499 0.00011 0.000158 0.988004 0.000164 0.98161 0.00016 0.958538 0.000778 0.963528 0.000651 13 MARK4 -0.006326 0.004708 0.000175 0.000326 0.988073 0.000166 0.981747 0.000109 0.958339 0.000771 0.963047 0.963047 0.000675 14 BRSK2 -0.006473 0.004753 0.000153 0.000154	7	TESK1	-0.000433	0.003721	0.000208	0.000775	0.986106	0.000209	0.985672	9.6e-05	0.952243	0.000868	0.955964	0.000955
10 PLK1 -0.003066 0.004868 0.000271 0.000445 0.992272 0.00029 0.989206 4.3e-05 0.954653 0.000977 0.959522 0.000936 11 FGFR2 -0.002789 0.003716 0.000133 0.000188 0.981399 0.000135 0.97861 0.000242 0.934387 0.000219 0.938103 0.000388 12 MARK1 -0.006394 0.00499 0.00011 0.000158 0.988004 0.000164 0.98161 0.00016 0.958538 0.000778 0.963528 0.000651 13 MARK4 -0.006326 0.004708 0.000175 0.000326 0.988073 0.000166 0.981747 0.000109 0.958339 0.000771 0.963047 0.000675 14 BRSK2 -0.006473 0.004753 0.000153 0.000154 0.988159 0.000123 0.981685 9.5e-05 0.958438 0.00021 0.963191 0.000178 15 TNNI3K -0.009064 0.00216 0.00019 0.000314 0.975921 <th>8</th> <th>LKB1</th> <th>-0.001076</th> <th>0.003918</th> <th>0.000145</th> <th>0.000114</th> <th>0.979241</th> <th>0.000508</th> <th>0.978165</th> <th>0.000371</th> <th>0.930246</th> <th>0.001162</th> <th>0.934164</th> <th>0.001139</th>	8	LKB1	-0.001076	0.003918	0.000145	0.000114	0.979241	0.000508	0.978165	0.000371	0.930246	0.001162	0.934164	0.001139
11 FGFR2 -0.002789 0.003716 0.000133 0.000188 0.981399 0.000135 0.97861 0.000242 0.934387 0.000219 0.938103 0.000388 12 MARK1 -0.006394 0.00499 0.00011 0.000158 0.988004 0.000164 0.98161 0.00016 0.958538 0.000778 0.963528 0.000651 13 MARK4 -0.006326 0.004708 0.000175 0.000326 0.988073 0.000166 0.981747 0.000109 0.958339 0.000771 0.963047 0.000675 14 BRSK2 -0.006473 0.004753 0.000153 0.000154 0.988159 0.000123 0.981685 9.5e-05 0.958438 0.00021 0.963191 0.000178 15 TNNI3K -0.009064 0.00216 0.00019 0.000314 0.975921 0.000564 0.966857 0.000397 0.91855 0.000902 0.920566 0.00071	9	VRK2	0.003014	-0.00055	0.000452	0.000508	0.988209	0.000201	0.991224	0.000558	0.950711	0.000632	0.950161	0.000763
12 MARK1 -0.006394 0.00499 0.00011 0.000158 0.988004 0.000164 0.98161 0.00016 0.958538 0.000778 0.963528 0.000651 13 MARK4 -0.006326 0.004708 0.000175 0.000326 0.988073 0.000166 0.981747 0.000109 0.958339 0.000771 0.963047 0.000675 14 BRSK2 -0.006473 0.004753 0.000153 0.000154 0.988159 0.000123 0.981685 9.5e-05 0.958438 0.000211 0.963191 0.000178 15 TNNI3K -0.009064 0.002016 0.00019 0.000314 0.975921 0.000564 0.966857 0.000397 0.91855 0.000902 0.920566 0.00071	10	PLK1	-0.003066	0.004868	0.000271	0.000445	0.992272	0.00029	0.989206	4.3e-05	0.954653	0.000977	0.959522	0.000936
13 MARK4 -0.006326 0.004708 0.000175 0.000326 0.988073 0.000166 0.981747 0.000109 0.958339 0.00071 0.963047 0.000675 14 BRSK2 -0.006473 0.004753 0.000153 0.000154 0.988159 0.000123 0.981685 9.5e-05 0.958438 0.000211 0.963191 0.000178 15 TNNI3K -0.009064 0.002016 0.00019 0.000314 0.975921 0.000564 0.966857 0.000397 0.91855 0.000902 0.920566 0.00071	11	FGFR2	-0.002789	0.003716	0.000133	0.000188	0.981399	0.000135	0.97861	0.000242	0.934387	0.000219	0.938103	0.000388
14 BRSK2 -0.006473 0.004753 0.000153 0.000154 0.988159 0.000123 0.981685 9.5e-05 0.958438 0.000211 0.963191 0.000178 15 TNNI3K -0.009064 0.002016 0.00019 0.000314 0.975921 0.000564 0.966857 0.000397 0.91855 0.000902 0.920566 0.00071	12	MARK1	-0.006394	0.00499	0.00011	0.000158	0.988004	0.000164	0.98161	0.00016	0.958538	0.000778	0.963528	0.000651
15 TNNI3K -0.009064 0.002016 0.00019 0.000314 0.975921 0.000564 0.966857 0.000397 0.91855 0.000902 0.920566 0.00071	13	MARK4	-0.006326	0.004708	0.000175	0.000326	0.988073	0.000166	0.981747	0.000109	0.958339	0.000771	0.963047	0.000675
	14	BRSK2	-0.006473	0.004753	0.000153	0.000154	0.988159	0.000123	0.981685	9.5e-05	0.958438	0.000211	0.963191	0.000178
16 MYO3A -0.009852 0.001442 0.000272 0.000646 0.995113 0.000296 0.985261 6.6e-05 0.958975 0.000795 0.960417 0.000632	15	TNNI3K	-0.009064	0.002016	0.00019	0.000314	0.975921	0.000564	0.966857	0.000397	0.91855	0.000902	0.920566	0.00071
	16	МҮОЗА	-0.009852	0.001442	0.000272	0.000646	0.995113	0.000296	0.985261	6.6e-05	0.958975	0.000795	0.960417	0.000632