

| Rank | Kinase | Δ JSD $\mu=200$ | Δ JSD $\mu=700$ | Δ JSD $\mu=200$ stdev | Δ JSD $\mu=700$ stdev | i=1 score $\mu=200$ | i=1 score $\mu=200$ stdev | i>1 max score $\mu=200$ | i>1 max score $\mu=200$ stdev | i=1 score $\mu=700$ | i=1 score $\mu=700$ stdev | i>1 max score $\mu=700$ | i>1 max score $\mu=700$ stdev |
|------|---------|------------------------|------------------------|------------------------------|------------------------------|---------------------|---------------------------|-------------------------|-------------------------------|---------------------|---------------------------|-------------------------|-------------------------------|
| 1 | BMPR1B | 0.004182 | 0.000227 | 0.000201 | 0.000173 | 0.986409 | 0.000344 | 0.990591 | 0.000216 | 0.974793 | 0.000354 | 0.97502 | 0.000329 |
| 2 | FGFR4 | 0.004194 | 3.9e-05 | 4.6e-05 | 0.000297 | 0.980398 | 0.000148 | 0.984592 | 0.000172 | 0.969397 | 0.000581 | 0.969436 | 0.000394 |
| 3 | EPHA8 | 0.003791 | -0.000107 | 0.000672 | 0.0006 | 0.960576 | 0.000407 | 0.964367 | 0.001011 | 0.923993 | 0.000236 | 0.923886 | 0.000484 |
| 4 | CSNK1A1 | 0.000303 | 0.003188 | 0.000105 | 0.000833 | 0.982942 | 0.000145 | 0.983245 | 0.000205 | 0.950276 | 0.000415 | 0.953464 | 0.000613 |
| 5 | GSK3A | 0.002194 | 0.000821 | 2e-05 | 0.000371 | 0.997686 | 1.8e-05 | 0.99988 | 1.1e-05 | 0.986339 | 0.00055 | 0.98716 | 0.000336 |
| 6 | CIT | 0.002145 | 0.000294 | 0.000329 | 0.000237 | 0.989005 | 0.000136 | 0.991149 | 0.000245 | 0.974356 | 0.000427 | 0.97465 | 0.000448 |
| 7 | PIK3CG | 0.002305 | 9.9e-05 | 0.000312 | 0.000224 | 0.991444 | 0.000339 | 0.993749 | 5.2e-05 | 0.987414 | 7e-05 | 0.987513 | 0.000254 |
| 8 | DYRK1A | 0.001961 | 0.000226 | 0.000137 | 0.000315 | 0.988927 | 0.000136 | 0.990888 | 7.5e-05 | 0.975696 | 0.000427 | 0.975922 | 0.000409 |
| 9 | CSNK1E | 0.00166 | 0.000169 | 0.000115 | 0.000107 | 0.995311 | 0.000181 | 0.996971 | 9.4e-05 | 0.990927 | 0.000273 | 0.991096 | 0.000266 |
| 10 | CSNK1G3 | 0.001769 | 2.7e-05 | 0.000224 | 0.000114 | 0.988335 | 0.000287 | 0.990105 | 0.000155 | 0.982631 | 0.000296 | 0.982658 | 0.000254 |
| 11 | MEK1 | 0.001385 | 0.000374 | 0.000111 | 0.000189 | 0.995679 | 0.000109 | 0.997064 | 0.000162 | 0.992917 | 0.000186 | 0.993291 | 0.000228 |
| 12 | WNK2 | 0.001663 | 2.4e-05 | 0.000331 | 0.000756 | 0.966605 | 0.000213 | 0.968268 | 0.00045 | 0.947374 | 0.00074 | 0.947398 | 0.000403 |
| 13 | CLK1 | 0.001438 | 0.000132 | 0.000129 | 8.7e-05 | 0.988342 | 0.000301 | 0.989779 | 0.000352 | 0.98264 | 0.000248 | 0.982772 | 0.000198 |
| 14 | INSR | 0.00149 | 6.4e-05 | 0.000192 | 0.000217 | 0.991676 | 0.000196 | 0.993166 | 0.000232 | 0.975309 | 0.000254 | 0.975373 | 0.000214 |
| 15 | TAK1 | 0.001012 | 0.00033 | 0.00037 | 0.000428 | 0.981609 | 0.000232 | 0.982621 | 0.000438 | 0.964384 | 0.000333 | 0.964714 | 0.000393 |
| 16 | STK16 | 0.001206 | -1.1e-05 | 0.000438 | 0.000217 | 0.992126 | 0.000466 | 0.993333 | 0.00051 | 0.984475 | 0.000325 | 0.984463 | 0.000191 |
| 17 | MEK2 | -4e-05 | 0.00105 | 9.4e-05 | 0.000163 | 0.994299 | 7.4e-05 | 0.994259 | 4.5e-05 | 0.990799 | 0.000252 | 0.991848 | 0.000271 |
| 18 | IRAK1 | 0.00102 | -8.7e-05 | 0.000539 | 0.000739 | 0.979628 | 0.000352 | 0.980648 | 0.000562 | 0.942088 | 0.000964 | 0.942001 | 0.000488 |
| 19 | BRAF | 0.002469 | -0.003419 | 0.000277 | 0.003249 | 0.983882 | 0.000372 | 0.986351 | 0.000405 | 0.962366 | 0.000284 | 0.958947 | 0.003306 |