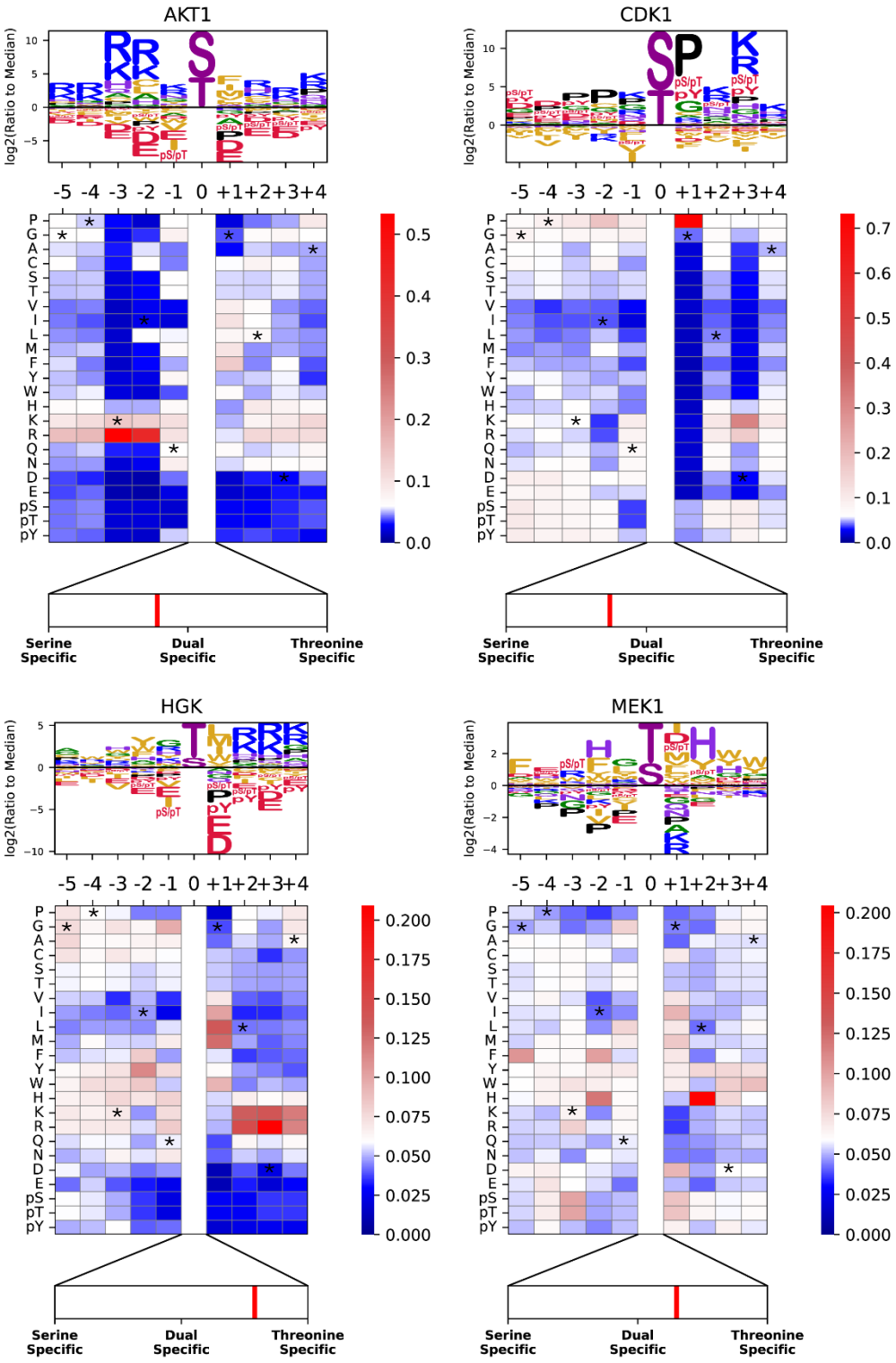
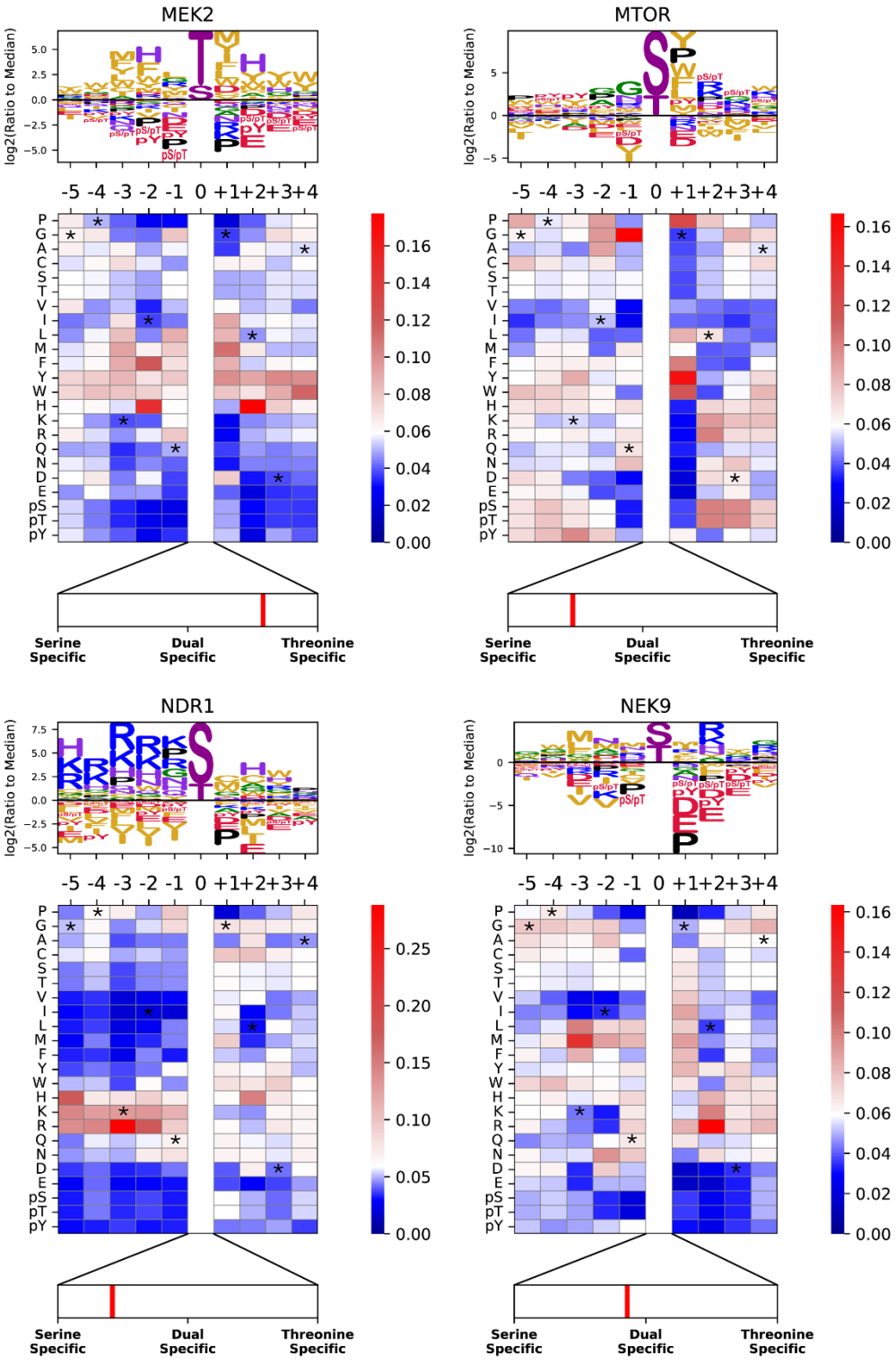

AKT1
CDK1
HGK
MEK1
log2(Ratio to Median)
-5 -4 -3 -2 -1 0 +1+2+3+4
P G A C S T V I L M F Y W H K R Q N D E pS pT pY
Serine Specific
Dual Specific
Threonine Specific


MEK2
MTOR
NDR1
NEK9
log2(Ratio to Median)
-5 -4 -3 -2 -1 0 +1+2+3+4
P G A C S T V I L M F Y W H K R Q N D E pS pT pY
Serine Specific
Dual Specific
Threonine Specific

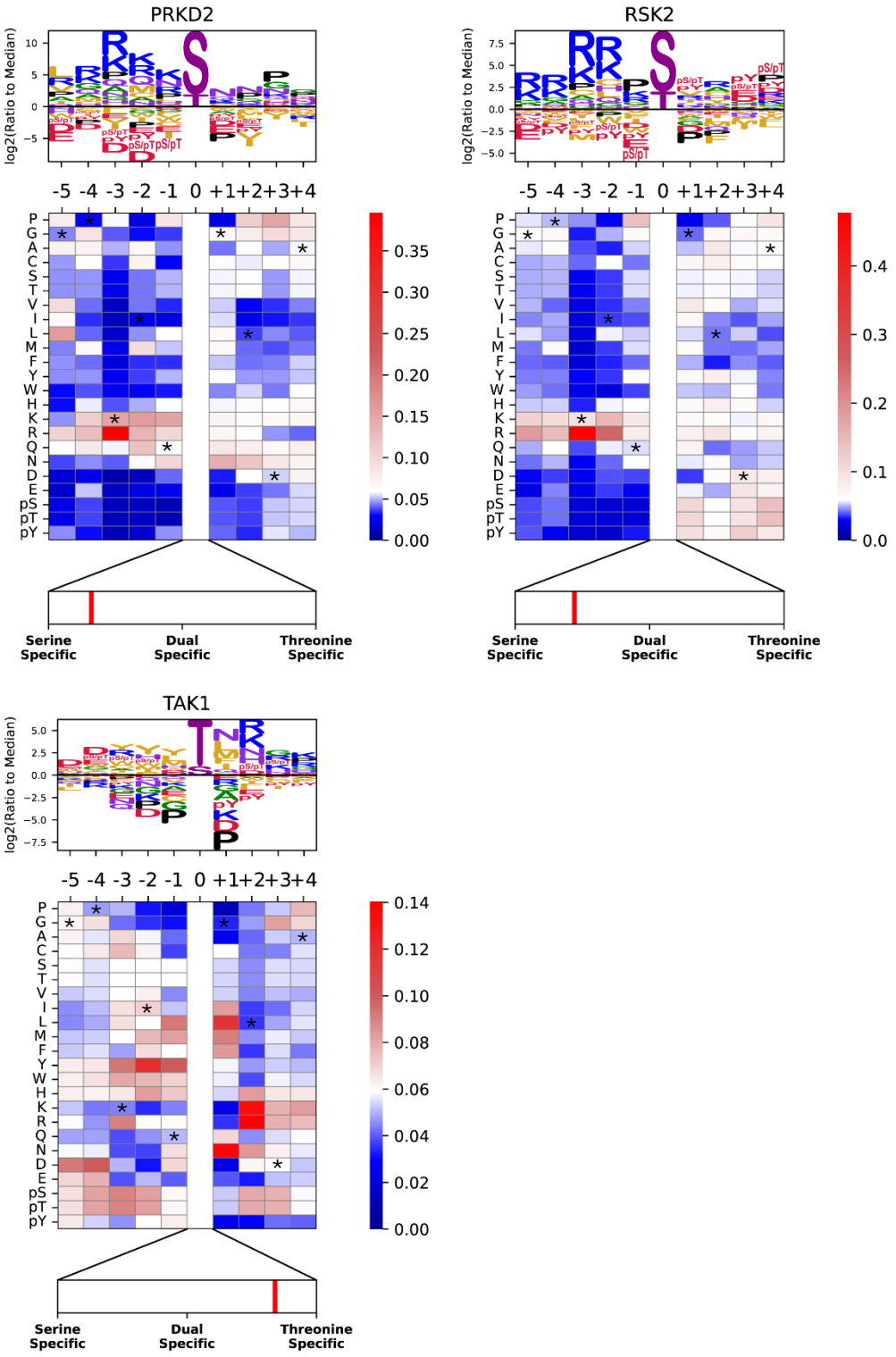


Figure S1: Candidate kinase consensus sequences obtained from https://kinase-library.phosphosite.org/site. Stars denote the amino acid sequence corresponding to that surrounding T148 in HSPB4 (GPKIQTGLDA).