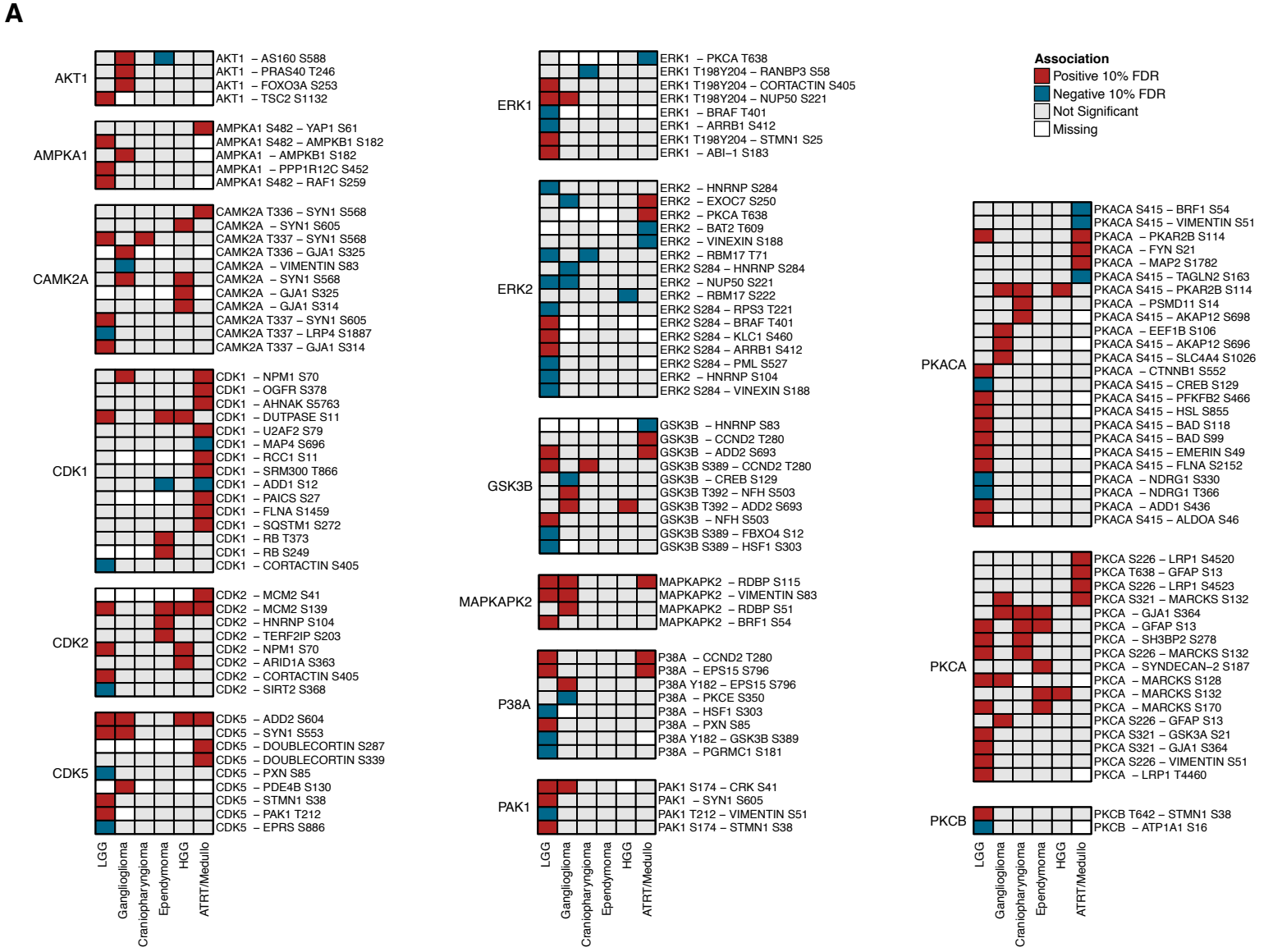
A
Association
Positive 10% FDR
Negative 10% FDR
Not Significant
Missing
AKT1
AKT1 – AS160 S588
AKT1 – PRAS40 T246
AKT1 – FOXO3A S253
AKT1 – TSC2 S1132
AMPKA1
AMPKA1 S482 – YAP1 S61
AMPKA1 S482 – AMPKB1 S182
AMPKA1 – AMPKB1 S182
AMPKA1 – PPP1R12C S452
AMPKA1 S482 – RAF1 S259
CAMK2A
CAMK2A T336 – SYN1 S568
CAMK2A – SYN1 S605
CAMK2A T337 – SYN1 S568
CAMK2A T336 – GJA1 S325
CAMK2A – VIMENTIN S83
CAMK2A – SYN1 S568
CAMK2A – GJA1 S325
CAMK2A – GJA1 S314
CAMK2A T337 – SYN1 S605
CAMK2A T337 – LRP4 S1887
CAMK2A T337 – GJA1 S314
CDK1
CDK1 – NPM1 S70
CDK1 – OGFR S378
CDK1 – AHNAK S5763
CDK1 – DUTPASE S11
CDK1 – U2AF2 S79
CDK1 – MAP4 S696
CDK1 – RCC1 S11
CDK1 – SRM300 T866
CDK1 – ADD1 S12
CDK1 – PAICS S27
CDK1 – FLNA S1459
CDK1 – SQSTM1 S272
CDK1 – RB T373
CDK1 – RB S249
CDK1 – CORTACTIN S405
CDK2
CDK2 – MCM2 S41
CDK2 – MCM2 S139
CDK2 – HNRNP S104
CDK2 – TERF2IP S203
CDK2 – NPM1 S70
CDK2 – ARID1A S363
CDK2 – CORTACTIN S405
CDK2 – SIRT2 S368
CDK5
CDK5 – ADD2 S604
CDK5 – SYN1 S553
CDK5 – DOUBLECORTIN S287
CDK5 – DOUBLECORTIN S339
CDK5 – PXN S85
CDK5 – PDE4B S130
CDK5 – STMN1 S38
CDK5 – PAK1 T212
CDK5 – EPRS S886
LGG
Ganglioglioma
Craniopharyngioma
Ependymoma
HGG
ATRT/Medullo
ERK1
ERK1 – PKCA T638
ERK1 T198Y204 – RANBP3 S58
ERK1 T198Y204 – CORTACTIN S405
ERK1 T198Y204 – NUP50 S221
ERK1 – BRAF T401
ERK1 – ARRB1 S412
ERK1 T198Y204 – STMN1 S25
ERK1 – ABI–1 S183
ERK2
ERK2 – HNRNP S284
ERK2 – EXOC7 S250
ERK2 – PKCA T638
ERK2 – BAT2 T609
ERK2 – VINEXIN S188
ERK2 – RBM17 T71
ERK2 S284 – HNRNP S284
ERK2 – NUP50 S221
ERK2 – RBM17 S222
ERK2 S284 – RPS3 T221
ERK2 S284 – BRAF T401
ERK2 S284 – KLC1 S460
ERK2 S284 – ARRB1 S412
ERK2 S284 – PML S527
ERK2 – HNRNP S104
ERK2 S284 – VINEXIN S188
GSK3B
GSK3B – HNRNP S83
GSK3B – CCND2 T280
GSK3B – ADD2 S693
GSK3B S389 – CCND2 T280
GSK3B – CREB S129
GSK3B T392 – NFH S503
GSK3B T392 – ADD2 S693
GSK3B – NFH S503
GSK3B S389 – FBXO4 S12
GSK3B S389 – HSF1 S303
MAPKAPK2
MAPKAPK2 – RDBP S115
MAPKAPK2 – VIMENTIN S83
MAPKAPK2 – RDBP S51
MAPKAPK2 – BRF1 S54
P38A
P38A – CCND2 T280
P38A – EPS15 S796
P38A Y182 – EPS15 S796
P38A – PKCE S350
P38A – HSF1 S303
P38A – PXN S85
P38A Y182 – GSK3B S389
P38A – PGRMC1 S181
PAK1
PAK1 S174 – CRK S41
PAK1 – SYN1 S605
PAK1 T212 – VIMENTIN S51
PAK1 S174 – STMN1 S38
PKACA
PKACA S415 – BRF1 S54
PKACA S415 – VIMENTIN S51
PKACA – PKAR2B S114
PKACA – FYN S21
PKACA – MAP2 S1782
PKACA S415 – TAGLN2 S163
PKACA S415 – PKAR2B S114
PKACA – PSMD11 S14
PKACA S415 – AKAP12 S698
PKACA – EEF1B S106
PKACA S415 – AKAP12 S696
PKACA S415 – SLC4A4 S1026
PKACA – CTNNB1 S552
PKACA S415 – CREB S129
PKACA S415 – PFKFB2 S466
PKACA S415 – HSL S855
PKACA S415 – BAD S118
PKACA S415 – BAD S99
PKACA S415 – EMERIN S49
PKACA S415 – FLNA S2152
PKACA – NDRG1 S330
PKACA – NDRG1 T366
PKACA – ADD1 S436
PKACA S415 – ALDOA S46
PKCA
PKCA S226 – LRP1 S4520
PKCA T638 – GFAP S13
PKCA S226 – LRP1 S4523
PKCA S321 – MARCKS S132
PKCA – GJA1 S364
PKCA – GFAP S13
PKCA – SH3BP2 S278
PKCA S226 – MARCKS S132
PKCA – SYNDECAN–2 S187
PKCA – MARCKS S128
PKCA – MARCKS S132
PKCA – MARCKS S170
PKCA S226 – GFAP S13
PKCA S321 – GSK3A S21
PKCA S321 – GJA1 S364
PKCA S226 – VIMENTIN S51
PKCA – LRP1 T4460
PKCB
PKCB T642 – STMN1 S38
PKCB – ATP1A1 S16
B
CDK1
CDK2
R = 0.81 , p < 2.2e−16
R = 0.7 , p < 2.2e−16
Global abundance
proliferation score
Diagnosis
ATRT
Craniopharyngioma
HGG
LGG
Ependymoma
Ganglioglioma
Medulloblastoma
C
CDK5
GSK3B
Global abudnacne
Hot Tumor
Neuronal
Immune
Hot Tumor
Neuronal