

Table S4. Comparison of VRK1 and VRK2 expression with mutational status in astrocytomas.

	VRK1 EXPRESSION			VRK2 EXPRESSION		
	Negative	Positive	P-value	Negative	Positive	P-value
p53 mutation			0.443			0.408
-No mutation	35 (74.5%)	33 (67.3%)		25 (65.8%)	42 (73.7%)	
-Mutation	12 (25.5%)	16 (32.7%)		13 (34.2%)	15 (26.3%)	
IDH1/2 mutation			0.717			0.371
-No mutation	38 (80.9%)	41 (83.7%)		30 (78.9%)	49 (86.0%)	
-Mutation	9 (19.1%)	8 (16.3%)		8 (21.1%)	8 (14.0%)	
PTEN Deletion			0.457			0.156
-No deletion	8 (26.7%)	16 (34.8%)		11 (40.7%)	12 (25.0%)	
-Deletion	22 (73.3%)	30 (65.2%)		16 (59.3%)	36 (75.0%)	
EGFR Amplification			0.847			0.122
-No amplification	29 (70.7%)	37 (72.5%)		27 (81.8%)	38 (66.7%)	
-Amplification	12 (29.3%)	14 (27.5%)		6 (18.2%)	19 (33.3%)	
MGMT methylation			0.087			0.504
-No hypermethylation	20 (40.8%)	29 (58.0%)		17 (44.7%)	31 (51.7%)	
-Hypermethylation	29 (59.2%)	21 (42.0%)		21 (55.3%)	29 (48.3%)	