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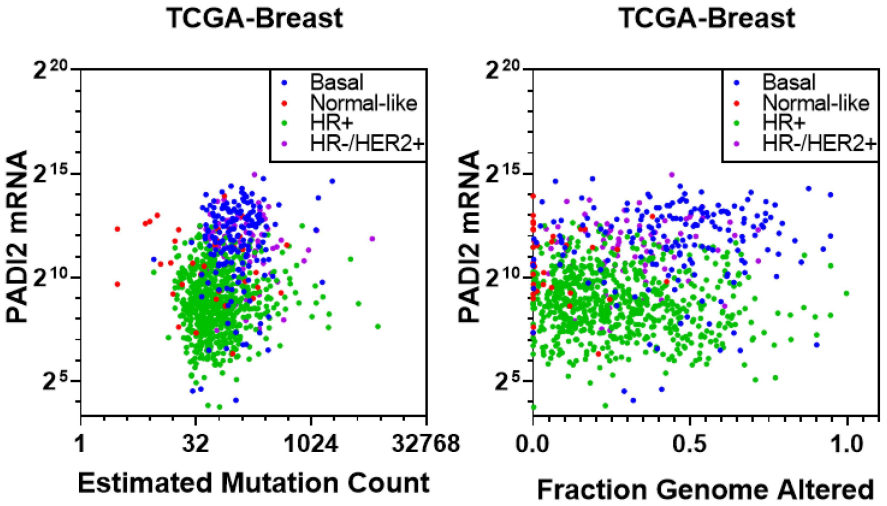

Correlation between PADI2 and mutation burden in TCGA Breast Cancers

	Fraction Genome Altered			Estimated Mutation Count		
Group	**Spearman Coefficient**	**95% CI**	**p-value**	**Spearman Coefficient**	**95% CI**	**p-value**
All	0.103	0.038 to 0.166	0.0013	0.242	0.181 to 0.302	<0.0001
Basal	0.092	-0.063 to 0.243	0.2292	0.105	-0.05 to 0.255	0.1723
Normal-Like	-0.114	-0.434 to 0.233	0.5097	-0.185	-0.492 to 0.163	0.2808
HR+	-0.11	-0.185 to -0.034	0.0037	0.029	-0.048 to 0.105	0.4481
HR-/HER2+	0.124	-0.108 to 0.343	0.2789	0.042	-0.189 to 0.268	0.7159

Fig. S1