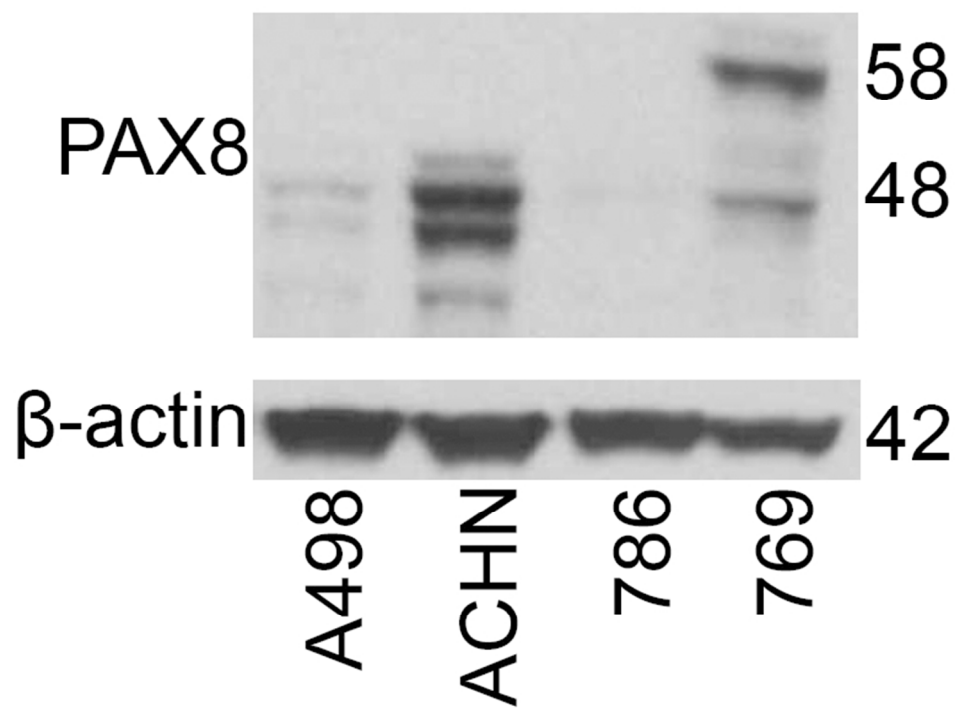


Supplementary Figures:



PAX8 Western Blot with B-Actin Controls

Figure 2:Skewness and Kurtosis of Tumor and Normal scores (A) and histogram of log transformed data (B)

	Skewness	Kurtosis
Tumor pax8	1.779	3.146
Normal pax8	1.386	2.535
Ln(tumor pax8)	0.286	-0.691
Ln(normal pax8)	-0.299	0.223

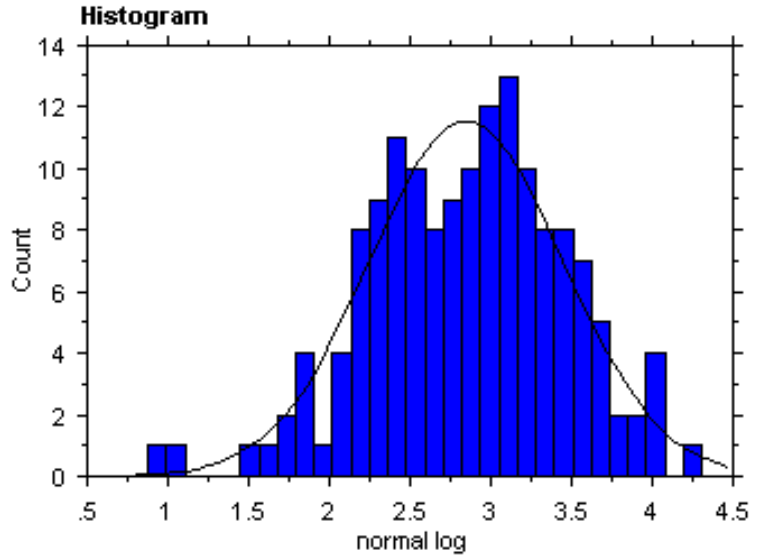
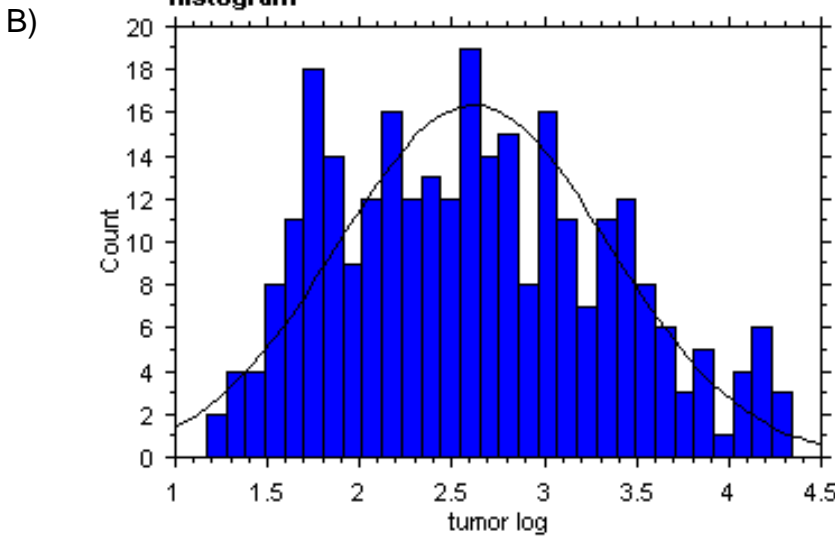


Figure 3) T testing (A) and Fisher's PLSD (B) results using natural log of the tumor and normal distribution

A) **Paired t-test**
Split By: Simplified Type
Hypothesized Difference = 0

	Mean Diff.	DF	t-Value	P-Value
tumor log, normal log: Total	-.222	134	-3.348	.0011
tumor log, normal log: Chromophobe	-.700	2	-1.840	.2072
tumor log, normal log: Clear Cell	-.339	100	-4.902	<.0001
tumor log, normal log: Mixed	-.133	4	-.250	.8147
tumor log, normal log: Oncocytoma	.294	7	.988	.3562
tumor log, normal log: Papillary	.311	16	1.590	.1314
tumor log, normal log: Sarcomatoid	-.582	0	▪	▪

Results for totals may not agree with results for individual cells because of missing \

B) **Fisher's PLSD for tumor log**
Effect: Simplified Type
Significance Level: 5 %
Inclusion criteria: Criteria 2 from pax8.mer (imported)

	Mean Diff.	Crit. Diff.	P-Value	
Chromophobe, Clear Cell	-.015	.545	.9556	
Chromophobe, Oncocytoma	-.671	.620	.0341	S
Chromophobe, Papillary	-.599	.575	.0412	S
Clear Cell, Oncocytoma	-.656	.324	<.0001	S
Clear Cell, Papillary	-.584	.226	<.0001	S
Oncocytoma, Papillary	.072	.372	.7044	