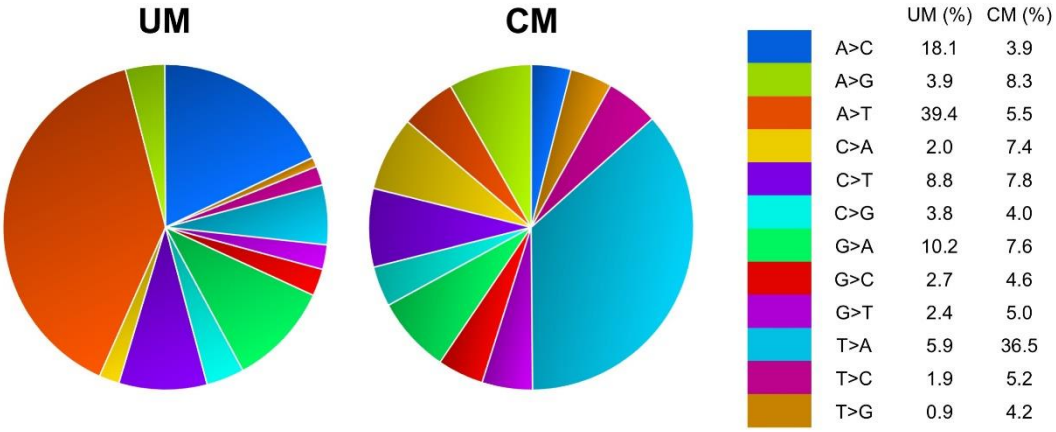
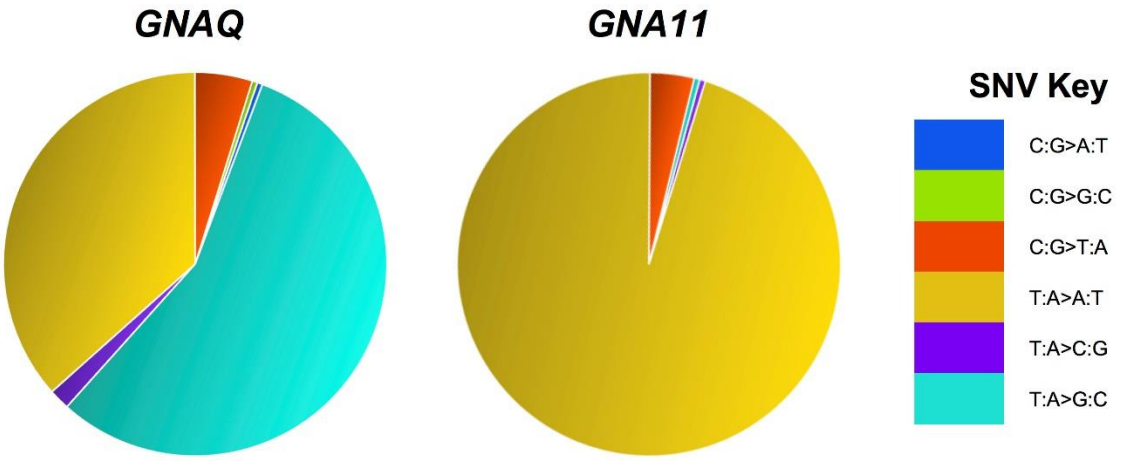
Presence and prevalence of UV related genetic mutations in uveal melanoma: similarities with cutaneous melanoma.

Goh et al.

Supplementary Figures



Supplementary Figure S1. Mutational signature of single nucleotide variants (SNVs) on the coding strand alone in the COSMIC UM and CM samples. A breakdown of the specific SNVs present on the coding strand alone in 577 UM and 7155 CM samples from the COSMIC database are illustrated in the pie chart. The variants were color-coded as per the key. A>T substitutions were the most frequent SNV type in UM, accounting for 39.4% of SNVs. T>A substitutions were the most frequent SNV type in CM, accounting for 36.5% of SNVs.



Position (AA)	Mutation (CDS)	Mutation (Amino Acid)	Mutation ID (COSM)	Count	Mutation Type
183	c.546_547CC>TT	p.R183C	COSM52974	3	Substitution - Missense
183	c.547C>T	p.R183C	COSM21651	8	Substitution - Missense
183	c.?	p.R183C	COSM1644124	4	Substitution - Missense
209	c.626A>C	p.Q209P	COSM52970	1	Substitution - Missense
209	c.626A>G	p.Q209R	COSM1666996	1	Substitution - Missense
209	c.626A>T	p.Q209L	COSM52969	204	Substitution - Missense
209	c.626_627AG>TA	p.Q209L	COSM52971	3	Substitution - Missense
209	c.626_627AG>TT	p.Q209L	COSM52972	1	Substitution - Missense
209	c.?	p.Q209?	COSM1570344	1	Substitution - Missense
209	c.?	p.Q209L	COSM110736	107	Substitution - Missense
209	c.?	p.Q209P	COSM330659	3	Substitution - Missense
214	c.?	p.R214M	COSM1644125	1	Substitution - Missense

Supplementary Figure S2. Mutational signature of single nucleotide variants (SNVs) in the *GNAQ* and *GNA11* genes in the COSMIC UM cohort. A breakdown of the specific SNVs present on both DNA strands in *GNAQ* and *GNA11* are depicted in the pie charts. Note the majority are not C:G>T:A transitions. However, the table shows the twelve (12) variants of *GNA11* found amongst the UM patient samples. These include eight (8) counts of a C>T transition, and three (3) counts of a CC>TT tandem substitution, both in codon 183.