

Most frequently mutated Census genes from COSMIC

	% COSMIC	P3	P5	P8	P11	P12	P13	P14	P15
BRAF	44	Missense	Missense	Copy Gain				Missense	
LRP1B	26			Missense			Missense		Copy Loss
TERT	24		Missense						
FAT4	21					Missense			Missense
GRIN2A	20		Missense			Missense	Copy Loss	Missense	
CDKN2A	18		Copy Loss					Copy Loss	Copy Loss
NRAS	17								
PTPRT	18								
PREX2	16								
NF1	16					Copy Loss			
TP53	14		Frameshift Deletion				Missense	Copy Loss	
ROS1	13					Missense	Copy Loss		Copy Loss
TRRAP	13								
PTPRB	12			Missense	Missense				
ARID2	12								
PTPRK	12				Missense				Copy Loss
KMT2C	11		Copy Gain			Missense		Missense	
ERBB4	11					Missense			
KDR	11								Missense
PTEN	10		Copy Loss			Missense			Copy Loss

Missense
Nonsense
Splice Site
Frameshift Deletion

Missense

Nonsense

Splice Site

Frameshift Deletion

Copy Loss
Copy Gain

Copy Loss

Copy Gain

Figure S1: Top Census genes in melanoma from COSMIC database and the type of mutation found in all patients