

Suppl. Table 4: Targeted mutations of DD107 and DD109

Patient ID	Mutation								Targeting	
	Gene (H. sapiens)	Type	Location	Frequency / Zygosity	Nucleotide change	Amino acid change	Fold change	Pathway	Type	Name
DD107	ERBB2	SNV	Chromosome 17	100 % / Homozygous	C929T	S310F	-	Activating Her2 growth receptor signaling	Monoclonal antibody	Trastuzumab
DD109	ERBB2	CNV	Chromosome 17	-	-		+93 x (Gain)	Increasing number of Her2 receptors	Monoclonal antibody	Trastuzumab
	CDKN2A	CNV	Chromosome 9	-	-		-77 x (Loss)	Loss of cell cycle suppressor	Inhibitor	Palbociclib (PD-0332991)
	KIT	SNV	Chromosome 4	97 % / Homozygous	A426C	E142D	-	Unknown effect of c-Kit signaling	Inhibitor	Imatinib