

**Supplemental Table 1 – 12MP [21]**

Allele	Sequence	Epitope
HLA-A1	DAEKSDICTDEY	Tyrosinase 240-251*
	SSDYVIPIGTY	Tyrosinase 146-156
	EADPTGHSY	MAGE-A1 161-169
	EVDPIGHLY	MAGE-A3 168-176
HLA-A2	YMDGTMSQV	Tyrosinase 369-377•
	IMDQVPFSV	gp100 209-217#
	YLEPGPVTA	gp100 280-288
	GLYDGMEHL	MAGE-A10 254-262
HLA-A3	ALLAVGATK	gp100 17-25
	LIYRRRLMK	gp100 614-622
HLA-A3/A11	ASGPGGGAPR	NY-ESO-1 53-62
	SLFRAVITK	MAGE-A1 96-104

\* Substitution of S for C at residue 244

• Post-translational change of N to D at residue 371

# 209-2M, substitution of M for T at residue 210