

Table 5: **Tat**

Location	WEAU	Sequence	Immunogen	Species(HLA)	References
Tat(49-57)	Tat(49-57)	NOT AN EPITOPE	protein-peptide conjugate	murine	[Kim97a]
					<p>NOTES:</p> <ul style="list-style-type: none"> • The Tat peptide RKKRRQRRR when conjugated to a protein can cause that protein to be taken up by APCs and presented to CTL • The system was demonstrated by vaccinating mice with an OVA-Tat peptide conjugate and immunizing H-2 K^b mice • The CTL response to the H-2 K^b specific OVA peptide SIINFEKL was stimulated
Tat	Tat		HIV-1 infection	human	[Proebel97]
					<p>NOTES:</p> <ul style="list-style-type: none"> • Two HIV-1 infected children with contrasting disease courses were followed longitudinally – one died of AIDS, the other is a long term non-progressor • Reactivity against Gag, Pol, Env and Tat proteins was tested by PBMC bulk cultured cells reacting with protein expressed in vaccinia constructs in autologous EBV transformed B cells • The child who progressed consistently had CTL against Pol and Tat • The long term non-progressing child had no detectable CTL, but was heterozygous for a mutation in the CCR5 receptor and for HLA-B49, which has been shown to be associated with slower progression