

Table 2. Conditional ligands tested

Allele	Sequence	Refolding efficiency Thermostability UV-sensitivity	Allele	Sequence	Refolding efficiency Thermostability UV-sensitivity	
HLA-A1	STDJGVLEY	+	HLA-A11	AIFQJSMTK	+	
	STDPJVLEY	-(LD)		AIFQSSMJK	--- (TI)	
	STDPGJLEY	++		ATFQJSMTK	--- (LR)	
	STDPGVJEY	+		ATFQSSMJK	-- (ND)	
	STDPGVLJY	-(LD)		RVFAFSEJK	-- (ND)	
				RVFAJSFIK	Candidate	
				HLA-B7	APRJPTLAL	-(LD)
	STAPGJLEY	Candidate			APRGJTLAL	++
	STEPGJLEK	--- (LR)			APRGJLAL	-(LD)
	STDPGJLEF	--- (TI)			APRGPTJAL	-- (ND)
HLA-A3	RLYJGGATK	-(LD)	APRGPTLJL	--- (LR)		
	RLYRJGATK	++				
	RLYRGGAJK	-LD	AARGJTLAM	Candidate		
			AARGJTLAL	++		
	RIYRJGATR	Candidate	APRGJTLAM	++		
	RGYRJGATY	--- (TI)				
	RLYRJGATL	--- (LR)				

Overview of the peptides tested for each of the four HLA molecules. **J** indicates 3-amino-3-(2-nitro)phenyl-propionic acid. Sequences in the top part of each panel reflect the peptides used in a first screen. Arrows indicate which peptides were chosen as leads for a second screen (bottom parts). For HLA-A11, a panel of high and low affinity binders was tested in a single screen with **J** at two different positions. The four conditional ligands selected for further analysis are depicted in bold. LR: low refolding efficiency, TI: thermo-instable, ND: no UV-mediated degradation, LD: low UV-mediated degradation.