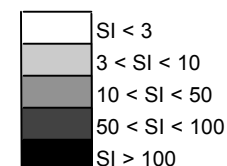


Table SIII. Mixtures used in IL-7 primary proliferation assay

Mixture 1- Arginine enriched peptides

Peptide	Sequence	R	Organism
MSI 144 154	RRWRRRRRRR	9	TT virus
MSI 144 158	RRRRRWRRW	8	TT virus
MSI 144 157	RYRPRRRRRR	8	TT virus
MSI 144 132	RRRYRWRRR	8	TT virus
MSI 144 70	RTYIRRRRRR	7	TT virus
MSI 144 78	AVRRRRRRRV	7	TT virus
MSI 144 97	RRYLRRRKRR	7	TT virus
MSI 147 68	RVRRRRPRRT	7	TT virus
MSI 144 69	YVSRRRRRRY	6	TT virus
MSI 147 95	RRVRRRGRGW	6	TT virus

	SI		
	MN19	MN27	MN36
MSI 144 154	SI > 100	SI < 3	SI < 3
MSI 144 158	SI > 100	3 < SI < 10	SI < 3
MSI 144 157	SI > 100	SI < 3	SI < 3
MSI 144 132	SI > 100	SI > 100	SI < 3
MSI 144 70	SI > 100	SI > 100	SI < 3
MSI 144 78	SI > 100	SI > 100	SI < 3
MSI 144 97	SI > 100	SI > 100	SI < 3
MSI 147 68	SI < 3	SI > 100	SI < 3
MSI 144 69	SI > 100	SI > 100	SI < 3
MSI 147 95	SI < 3	SI > 100	SI < 3



Mixture 2- Lysine enriched peptides

Peptide	Sequence	K	Organism
MSI 154 181	KKKKKTKKKK	9	Chimpanzee cytomegalovirus
MSI 154 180	NKKKKKTKKK	8	Chimpanzee cytomegalovirus
MSI 154 182	KKKNKLVKKK	7	Equine encephalitis virus
MSI 154 183	KKKKNPGKKK	7	Equine encephalitis virus
MSI 154 184	KKKKNOGKKK	7	Equine encephalitis virus
MSI 154 189	KKKVVTKKKK	7	Chlamydophila pneumoniae
MSI 154 154	KAKAKQOKKK	6	Equine encephalitis virus
MSI 154 159	HSKKKRSKKK	6	TT virus
MSI 154 166	KQKERKSKKK	6	TT virus
MSI 154 187	YKKKTPTKKK	6	Chlamydophila pneumoniae

Mixture 3- Peptides not enriched in any aa

Peptide	Sequence	Protein
MSI 126 62	ARLAAARLNR	Retina-specific guanylyl cyclase
MSI 126 80	IIRAAADRDR	Human chaperone
MSI 147 105	TMKLMMEKVD	Borna disease virus
MSI 147 5	FRKDMILKIF	Campylobacter jejuni
MSI 148 162	HVYVRARLPD	Pseudorabies virus
MSI 148 191	KILPRHRLIK	Treponema pallidum
MSI 95 3	AIRLPPGRLL	Human herpesvirus 5
MSI 95 55	AIRSAWWWWL	Teoretical peptide
MSI 95 7	SVRSSPRFLL	Influenza C virus
MSI 95 96	DWEHMKKPEA	Teoretical peptide

Mixture 4- Complex mixture of completely random peptides

N46-1	XXXXXXXXXX
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