

**a**CDR3 $\alpha$ CDR3 $\beta$ 

ALWGPDPAAA (n=1)

**CAMRGDSSYKLIF**      **CASSLWEKLAKNIQYF**

NLVPMVATV (n=5)

**CAGSMLTSYDKVITFG**      **CASSPTGGAPSPTYGTF**

TPQDLNML (n=8)

**CAVRGAGNNGRKLIIF**      **CASSLSLTGVTKNTCAFF**

SLLMWITQC (n=4)

**CAVRSLYSGGGSYIPTF**      **CASSYVSGGVITSEELFF**

SIINFEKL (n=34)

**CAVSGGGTGGYKLIF**      **CASSDLWGRGRNSEQYF**

SLYNTVATL (n=1)

**CAVRGAHDYALN**      **CASSDTSYEQYF**

IMDQVPFSV (n=3)

**CAPREGSGNSGVALIF**      **CASSPLQGTETQYF**

GRLKALCQR (n=1)

**CAVDVGGSYIPTF**      **CASSLARQGSNEQYF**

LLFGYPVYV (n=2)

**CAVTTGSWGKLVF**      **CASSVPGLAGGFYEQYF**

SLFLGILSV (n=1)

**CGTQGGSEKLVF**      **CATAPGLSYEQYF**

FMNKFIYEI (n=3)

**CAASMTNAVKVIF**      **CASSDAGTSQNTLYF**

■ Acidic ■ Basic ■ Hydrophobic ■ Neutral ■ Polar

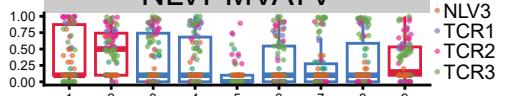
**b**

Anchor ■ Non-anchor

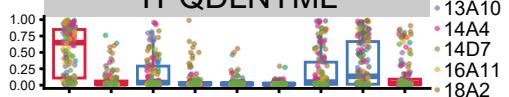
ALWGPDPAAA



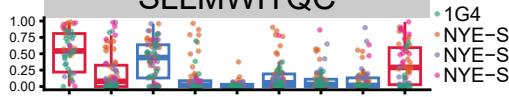
NLVPMVATV



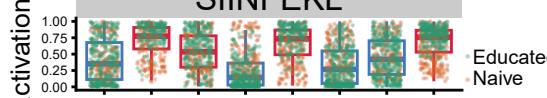
TPQDLNML



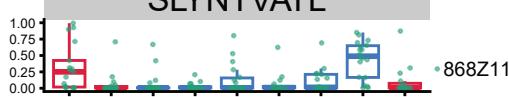
SLLMWITQC



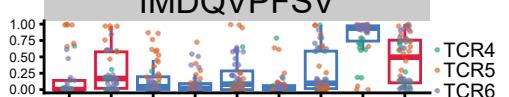
SIINFEKL



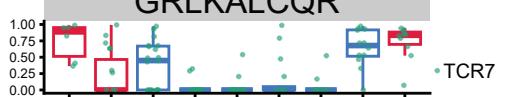
SLYNTVATL



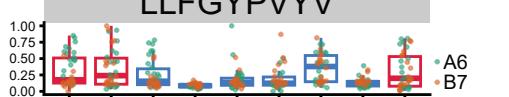
IMDQVPFSV



GRLKALCQR



LLFGYPVYV



SLFLGILSV



FMNKFIYEI



■ TCR1-T ■ TCR2-T ■ TCR3-T

■ 1E6 ■ NLV2 ■ NLV3 ■ TCR1 ■ TCR2 ■ TCR3 ■ 11A10 ■ 12A12 ■ 13A10 ■ 14A4 ■ 14D7 ■ 16A11 ■ 18A2 ■ 7A10

■ 1G4 ■ NYE-S1 ■ NYE-S2 ■ NYE-S3

■ Educated ■ Naive

■ TCR4 ■ TCR5 ■ TCR6

■ TCR7

■ A6 ■ B7

■ A23