

2020 Update of the HLA Epitope Registry - HLA-DRB, DQ, DP

The following changes have been made to the DQB1 and DQA1 registries

Please note: Updated eplet assignments reflect HLA sequence information in the IPD-IMGT/HLA database version 3.35.0, January 2019

<u>New DQB eplets</u>	<u>DQB eplets newly antibody-verified</u>	<u>DQB eplets deleted</u>	<u>Reason</u>	<u>Old DQB Eplet name</u>	<u>New DQB Eplet name</u>	<u>Updated Residue description</u>
	57V	30Y	Monomorphic	3P ₄	3P	3P 9L 37D
	87F	116V	Monomorphic	45GE ₃	52LL	52L 55L 28S 30S 37I
	87Y			45GV	--	45G46V
				46VY ₃	46VY	46V 52P 28T
				52PI ₃	182N	182N
				52PQ ₂	52PQ	53Q 89G 90I
				52PR	55R	55R
				55PP	--	55P 56P
				55RL ₃	56L	56L 71D
				56PV	57V	57V
				74SR ₃	116I	116I 125S
				74SV ₂	74S	74S 26G
				84QL ₃	84QL	84Q 86E 87L 89T 90T 125A
				85VA	86A	86A
				85VY	87Y	87Y
				86G ₂	130Q	86G 130Q
				87F	--	87F
				140A ₂	182S	182S
				167H ₂	167H	167H

<u>New DQA eplets</u>	<u>DQA eplets newly antibody-verified</u>	<u>DQA eplets deleted</u>	<u>Reason</u>	<u>Old DQA Eplet name</u>	<u>New DQA Eplet Name</u>	<u>Updated Residue description</u>
40E	2D	160AE	Monomorphic	2D ₂	2D	2D 199A
	40E			2G ₂	2G	2G 199T
	52SK			40GR ₃	40GR	40G 47C 50V 51L
	61FT			41KA ₂	130A	130A
	76V			41RA ₂	129QS	129Q130S
				47QL ₅	76V	76V 26S 47Q 187T
				52SK ₅	52SK	52S 53K 11C 18F 45A 48W 55G 56G 64R 66M 69A 80Y
				61FT ₄	61FT	61F 64T 18S 55R
				75I	--	75I 161D 163I
				75S ₃	75S	75S 156L 163S 175K
				160D	--	160D
				160S	--	160S