

TABLE S2: Poly-UC tract hypervariation as revealed by Needleman-Wunsch pairwise analysis.

	CD81 Binding domain I			Hypervariable Region I			Poly UC (short) ^a			Poly UC (long) ^b		
	Range (%)	Mean (%)	Median (%)	Range (%)	Mean (%)	Median (%)	Range (%)	Mean (%)	Median (%)	Range (%)	Mean (%)	Median (%)
9055TF	95.5 - 100	99.9	100	100	100	100	96.0 - 100	99.6	100	100	100	100
10021TF	100	100	100	100	100	100	85.3 - 100	97.6	100	89 - 100	98.2	100
10025TF	100	100	100	95.5 - 100	99.8	100	92.0 - 100	97.0	100	91.0 - 100	96.9	97.0
10051TF	100	100	100	100	100	100	96.0 - 100	99.3	100	94.0 - 100	99.0	100
105431TF1	100	100	100	100	100	100	96.0 - 100	99.4	100	NA ^c	NA ^c	NA ^c
105431TF2	100	100	100	100	100	100	88.0 - 100	93.9	92.0	NA ^c	NA ^c	NA ^c
110069TF1	100	100	100	95.5 - 100	99.7	100	100	100	100	100	100	100
ARJA6267	82.0 - 100	95.5	95.5	68.5 - 100	87.9	91.0	84.0 - 96.0	90.7	92.0	NA ^c	NA ^c	NA ^c
BLMI6862	91.0 - 100	98.5	100	86.5 - 100	94.4	95.5	59.8 - 92.0	74.1	74.9	68.8 - 86.0	76.2	75.7
JOTO6422	91.0 - 100	100	100	64.0 - 100	87.1	95.5	52.4 - 84.0	70.0	73.3	68.0 - 80.0	73.1	72.4
KNPH3730	100	100	100	77.5 - 100	93.8	95.5	59.8 - 96.0	76.6	76.4	72.2 - 95.0	82.2	82.3
ROMI6847	100	100	100	59.8 - 100	77.2	74.5	61.8 - 92.0	73.7	73.3	68.3 - 81.2	75.3	76.3
SLRO5563	91.0 - 100	98.6	100	59.5 - 100	93.2	100	61.6 - 85.3	73.4	73.3	66.8 - 83.7	75.1	75.8
WEPA5774	95.5 - 100	97.6	95.5	64.0 - 95.5	82.8	86.5	48.0 - 85.3	66.6	66.2	67.8 - 85.0	72.7	70.9
WIMI4025	91.0 - 100	96.6	95.5	52.0 - 100	95.1	100	56.9 - 100	78.0	76.4	67.7 - 97.0	80.5	80.1