5 success

5 accuracy

3 accuracy

Bulk accuracy

DRB345 accuracy

Time point accuracy

Composite accuracy

5 success

	Field 1					Field 2					Field 3		
	scHLAcount	arcasHLA	HLAminer	PHLAT	OptiType	scHLAcount	arcasHLA	HLAminer	PHLAT	OptiType	scHLAcount	arcasHLA	PHLAT
A	0.68 ± 0.04	0.86 ± 0.03	0.71 ± 0.03	0.89 ± 0.03	0.92 ± 0.02	0.44 ± 0.04	0.64 ± 0.03	0.41 ± 0.03	0.81 ± 0.03	0.87 ± 0.03	0.06 ± 0.02	0.79 ± 0.03	0.8 ± 0.03
B	0.44 ± 0.04	0.82 ± 0.02	0.56 ± 0.03	0.88 ± 0.02	0.92 ± 0.02	0.21 ± 0.03	0.63 ± 0.03	0.2 ± 0.03	0.81 ± 0.03	0.9 ± 0.02	0.2 ± 0.03	0.8 ± 0.03	0.83 ± 0.03
C	0.82 ± 0.03	0.82 ± 0.02	0.66 ± 0.02	0.91 ± 0.02	0.94 ± 0.01	0.16 ± 0.03	0.55 ± 0.03	0.35 ± 0.03	0.81 ± 0.03	0.9 ± 0.02	0.02 ± 0.01	0.64 ± 0.03	0.82 ± 0.03
DPA1	0.71 ± 0.02	0.95 ± 0.02	0.66 ± 0.02	—	—	0.69 ± 0.02	0.94 ± 0.02	0.54 ± 0.03	—	—	0.65 ± 0.03	0.94 ± 0.02	—
DPB1	0.25 ± 0.03	0.85 ± 0.03	0.43 ± 0.02	—	—	0.25 ± 0.03	0.84 ± 0.03	0.42 ± 0.02	—	—	0.34 ± 0.04	0.84 ± 0.03	—
DQA1	0.81 ± 0.03	0.92 ± 0.02	0.85 ± 0.02	0.94 ± 0.01	—	0.55 ± 0.03	0.88 ± 0.02	0.55 ± 0.03	0.86 ± 0.03	—	0.71 ± 0.04	0.88 ± 0.02	0.86 ± 0.03
DQB1	0.83 ± 0.03	0.91 ± 0.02	0.88 ± 0.02	0.91 ± 0.02	—	0.54 ± 0.04	0.76 ± 0.03	0.67 ± 0.03	0.89 ± 0.02	—	0.59 ± 0.04	0.78 ± 0.03	0.87 ± 0.02
DRB1	0.7 ± 0.04	0.9 ± 0.02	0.73 ± 0.03	0.89 ± 0.03	—	0.48 ± 0.04	0.88 ± 0.03	0.34 ± 0.03	0.85 ± 0.03	—	0.49 ± 0.04	0.88 ± 0.03	0.78 ± 0.03

5 accuracy

	Field 1					Field 2					Field 3		
	scHLAcount	arcasHLA	HLAminer	PHLAT	OptiType	scHLAcount	arcasHLA	HLAminer	PHLAT	OptiType	scHLAcount	arcasHLA	PHLAT
A	0.41 ± 0.03	0.86 ± 0.03	0.7 ± 0.03	0.88 ± 0.03	0.81 ± 0.03	0.24 ± 0.02	0.63 ± 0.03	0.4 ± 0.03	0.8 ± 0.03	0.76 ± 0.04	0.02 ± 0.01	0.59 ± 0.03	0.44 ± 0.04
B	0.26 ± 0.02	0.82 ± 0.03	0.56 ± 0.03	0.88 ± 0.02	0.81 ± 0.03	0.13 ± 0.02	0.62 ± 0.03	0.2 ± 0.03	0.81 ± 0.03	0.78 ± 0.03	0.07 ± 0.02	0.6 ± 0.03	0.58 ± 0.04
C	0.48 ± 0.02	0.81 ± 0.02	0.66 ± 0.02	0.9 ± 0.02	0.82 ± 0.03	0.1 ± 0.02	0.55 ± 0.03	0.34 ± 0.03	0.81 ± 0.03	0.78 ± 0.03	0.01 ± 0.01	0.47 ± 0.03	0.44 ± 0.04
DPA1	0.62 ± 0.02	0.94 ± 0.02	0.66 ± 0.02	—	—	0.6 ± 0.02	0.93 ± 0.02	0.53 ± 0.03	—	—	0.56 ± 0.03	0.92 ± 0.02	—
DPB1	0.21 ± 0.03	0.84 ± 0.03	0.42 ± 0.02	—	—	0.21 ± 0.03	0.83 ± 0.03	0.41 ± 0.02	—	—	0.21 ± 0.03	0.83 ± 0.03	—
DQA1	0.72 ± 0.03	0.91 ± 0.02	0.74 ± 0.03	0.93 ± 0.02	—	0.48 ± 0.03	0.87 ± 0.02	0.47 ± 0.03	0.85 ± 0.03	—	0.45 ± 0.03	0.87 ± 0.02	0.72 ± 0.03
DQB1	0.53 ± 0.02	0.9 ± 0.02	0.75 ± 0.03	0.9 ± 0.02	—	0.35 ± 0.03	0.75 ± 0.03	0.56 ± 0.03	0.88 ± 0.02	—	0.3 ± 0.03	0.66 ± 0.03	0.7 ± 0.03
DRB1	0.4 ± 0.02	0.9 ± 0.03	0.72 ± 0.03	0.88 ± 0.03	—	0.28 ± 0.02	0.87 ± 0.03	0.33 ± 0.03	0.84 ± 0.03	—	0.29 ± 0.03	0.88 ± 0.03	0.67 ± 0.04

DRB345 accuracy

| | Field 1 | | | | Field 2 | | | | Field 3 | | | |
| | arcasHLA | | HLAminer | | arcasHLA | | HLAminer | | arcasHLA | | HLAminer | |
	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
DRB3	0.46 ± 0.03	0.79 ± 0.04	0.44 ± 0.03	0.78 ± 0.03	0.46 ± 0.03	0.79 ± 0.04	0.35 ± 0.03	0.65 ± 0.04	0.46 ± 0.03	0.79 ± 0.04	—	—
DRB4	0.44 ± 0.02	0.91 ± 0.02	0.77 ± 0.04	0.88 ± 0.03	0.4 ± 0.02	0.69 ± 0.04	0.14 ± 0.03	0.17 ± 0.03	0.39 ± 0.03	0.66 ± 0.04	—	—
DRB5	0.35 ± 0.03	0.9 ± 0.03	0.33 ± 0.03	0.83 ± 0.03	0.35 ± 0.03	0.88 ± 0.03	0.15 ± 0.03	0.33 ± 0.04	0.33 ± 0.03	0.86 ± 0.03	—	—

Supplemental Table X - *HLA-DRB345* accuracy
Accuracy of *HLA-DRB345* genotypes filtered or unfiltered by KNN copy number classifier. Values represent mean accuracy +/- SEM