Appendix 9

Comparison of three methods used to generate the expression profiles for nine MHC paralogous gene families. The differences between the three methods are highlighted in yellow for the nine tissues common to each method.

Gene	Adrenal gland			Brain			Skeletal muscle			Spleen			Testis			Kidney			T cell			B cell			Lung		
	M	D	S	M	D	S	M	D	S	M	D	S	M	D	S	M	D	S	M	D	S	M	D	S	M	D	S
AIF1_6p21.33	0	1	0	0	0	1	0	1	1	1	1	1	0	0	1	0	1	1	1	1	0	0	0	0	1	1	1
AIF1-L_9q34.12	0	0	1	1	1	1	0	0	1	1	1	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1
BRD2_6p21.32	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
BRDT_1p22.1	0	0	0	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
BRD3_9q34.2	1	1	1	1	1	1	0	1	1	0	1	0	1	1	1	0	1	1	1	1	1	1	1	1	0	1	1
BRD4_19p13.12	0	1	1	1	1	1	1	1	1	0	1	1	0	1	1	0	1	1	0	0	1	1	1	1	0	1	1
C4_6p21.33	0	0	1	0	0	1	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	0	0	1	0	0	1
C5_9q33.2	0	1	0	0	1	1	0	1	0	0	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	1
C3_19p13.3	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	1	1	0	0	0	0	1	1
CLIC1_6p21.33	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
CLIC4_1p35.3	0	0	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	1	1	0	1	1	0	1	1	1	1
CLIC3_9q34.3	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
CLIC5_6p21.1	0	0	1	0	0	0	1	1	0	1	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0
CLIC6_21q22.12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
CLIC2_Xq28	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1
GPX5_6p22.1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
GPX4_19p13.3	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GPX1_3p21.31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
GPX3_5q33.1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	1	1
GPX2_14q23.3	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
NOTCH4_6p21.33	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1
NOTCH2_1p11.2	0	1	1	1	1	1	0	1	1	1	1	0	1	1	1	0	1	1	0	1	1	1	1	1	0	1	1
NOTCH1_9q34.3	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	1	0	0	1
NOTCH3_19p13.12	1	1	0	1	1	1	0	1	0	1	1	0	1	1	1	0	1	1	1	1	0	0	1	1	0	1	1
PBX2_6p21.33	0	1	0	0	1	0	0	1	1	0	1	0	0	1	1	0	1	1	0	0	0	0	0	0	0	1	1
PBX1_1q23.3	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	1	0	0	1	1
PBX3_9q33.3	0	1	1	0	0	1	0	1	0	0	1	0	1	1	1	0	1	1	0	0	0	1	1	1	0	1	1
PBX4_19p13.11	0	0	0	1	1	1	0	1	0	0	0	0	1	1	1	0	1	0	1	0	0	1	0	0	0	1	1
RXRB_6p21.32	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	0	1	1	1	1	0	1	1	1	1	1	1
RXRG_1q23.3	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
RXRA_9q34.2	1	1	0	1	1	1	0	1	1	1	1	0	1	1	1	0	1	1	0	0	0	0	0	1	1	1	1
TUBB_6p21.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
TUBB5_19p13.3	0	0	1	1	1	1	1	0	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	1	0	0	1
TUBB4_16q24.3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1	0	1	1	0	0	1	1
TUBB2_18p11.1	1	1	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
TUBB1_20q13.32	0	0	0	0	0	1	0	0	0	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Total differences	5	3	9	4	1	8	5	4	5	3	5	7	4	4	5	16	1	8	3	2	5	2	2	5	15	0	10
% difference	14	8	25	11	3	22	14	11	14	8	14	19	11	11	14	44	3	22	8	6	14	6	6	14	42	0	28