		A. Cell line preference of motif binding							
	FOXA.1 1.ZLAB	0.91	0.88	0.93	0.92	0.9	0.94		
Motif	MA0148.3.JASPAR	0.91	0.86	0.91	0.92	0.91	0.93		0.9
	FOXA1 1.HOMER	0.9	0.84	0.9	0.92	0.91	0.92		
	FOXA1 <sup>-2</sup> .HOMER	0.89	0.83	0.89	0.91	0.9	0.91		0.8
	M6114_1.02.CIS-BP	0.87	0.8	0.86	0.9	0.89	0.88		
	FOXA1_1.GUERTIN	0.85	0.8	0.84	0.87	0.87	0.87		
	FOXA_disc1.POUR	0.85	0.76	0.84	0.88	0.86	0.89		
	FOXA1_f1.HOCOMOCO	0.84	0.78	0.83	0.86	0.85	0.86		
	Fork_head.MacIsaac	0.79	0.74	0.76	0.82	0.81	0.8		
	FOXA_disc2.POUR	0.6	0.59	0.55	0.62	0.65	0.61		
	Foxa1.TF2DNA	0.57	0.53	0.56	0.59	0.59	0.59		
	FOXA_disc3.POUR	0.57	0.51	0.55	0.6	0.6	0.57		
	FOXA1_2.GUERTIN	0.57	0.76	0.5	0.53	0.52	0.52		
	FOXA_disc5.POUR	0.52	0.55	0.49	0.56	0.54	0.46		
	FOXA.1_5.ZLAB	0.52	0.5	0.56	0.52	0.5	0.51		
	FOXA.1_4.ZLAB	0.5	0.5	0.5	0.5	0.5	0.5		
	FOXA.1_2.ZLAB	0.5	0.5	0.5	0.5	0.5	0.5		
	FOXA1_3.GUERTIN	0.5	0.5	0.5	0.5	0.5	0.5		0.5
	FOXA_disc4.POUR	0.5	0.51	0.51	0.5	0.49	0.48		
	FOXA1_4.GUERTIN	0.49	0.49	0.5	0.49	0.49	0.49		
	FOX01.3DFOOTPRINT	0.47	0.48	0.45	0.51	0.47	0.46		
	FOXA.1_3.ZLAB	0.45	0.43	0.52	0.44	0.44	0.41		
				Cell	_lab				

B. Cell line pairwise rank correlation Average 0.95 0.91 0.98 0.99 0.96 HaibA549 0.95 0.83 0.92 0.94 0.89 HaibEcc1 0.91 0.83 0.87 0.89 0.92 HaibHepg2 0.87 0.98 0.92 0.98 0.93 HaibHepg2-2 0.98 0.99 0.94 0.89 0.94 HaibT47d 0.96 0.89 0.92 0.93 0.94 HaibEcc1 HaibA549 HaibHepg2 HaibT47d Average HaibHepg2-2

Cell\_lab

1.00

0.96

0.92

0.88

0.84