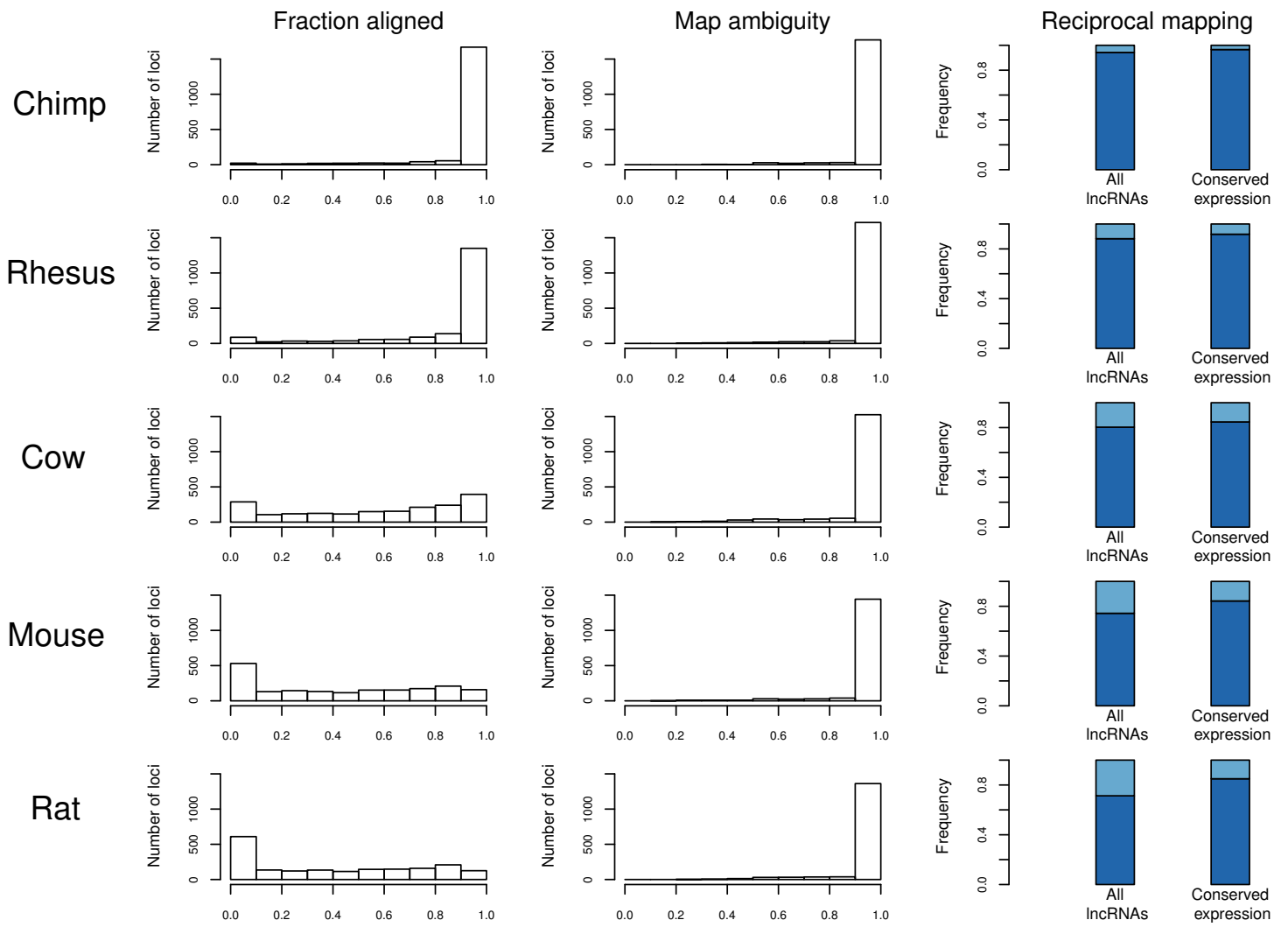
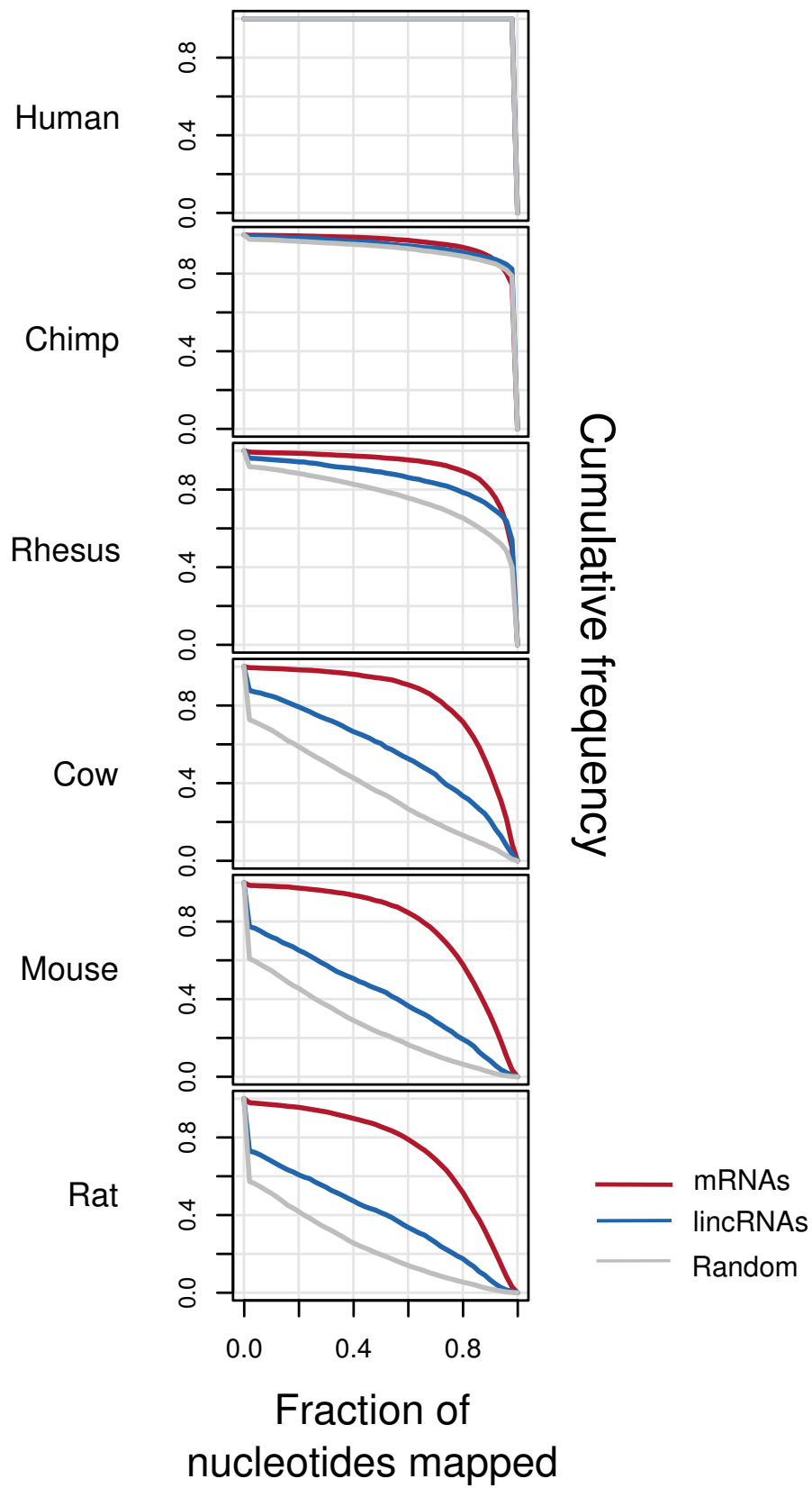
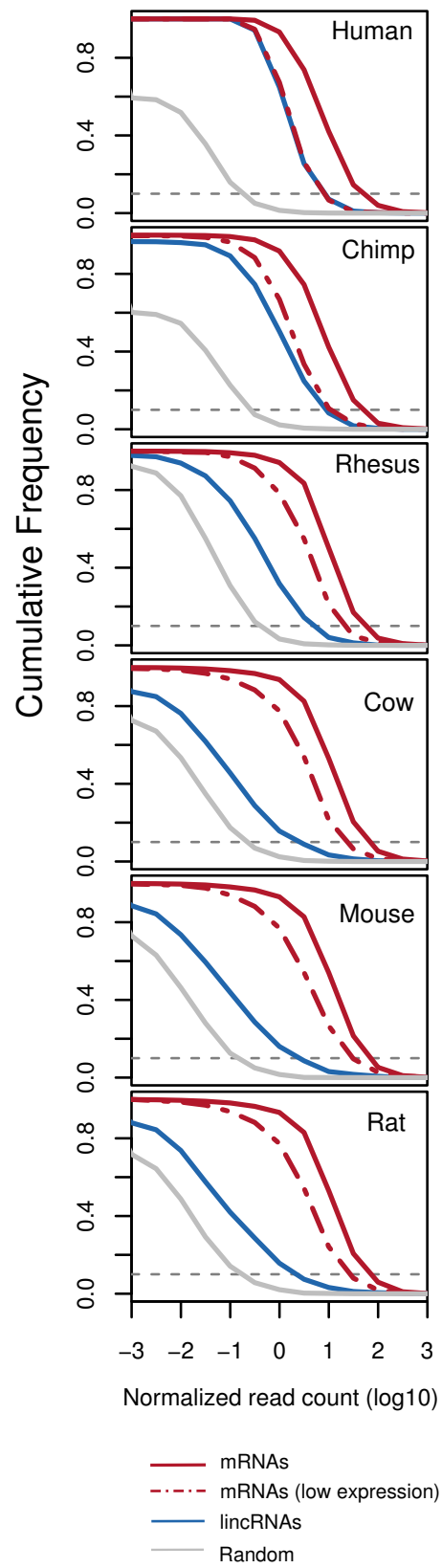
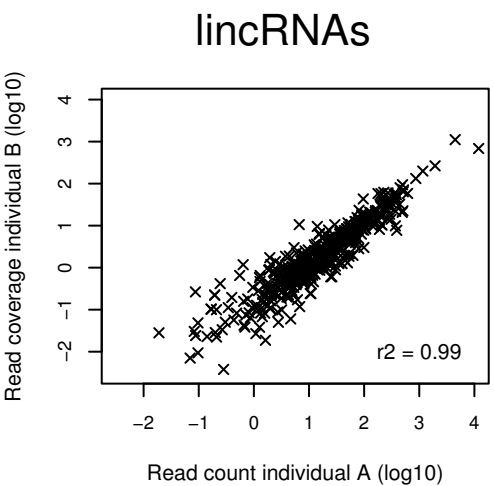
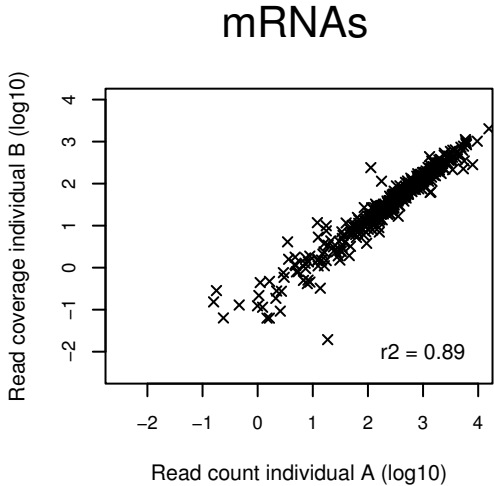




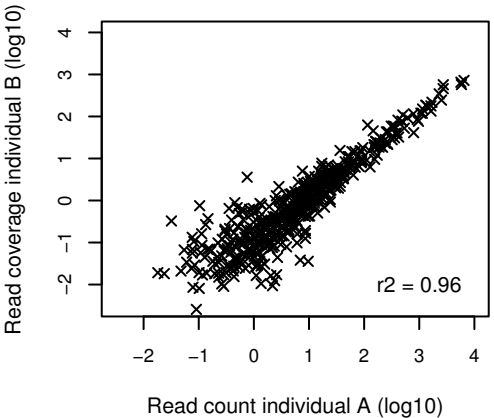
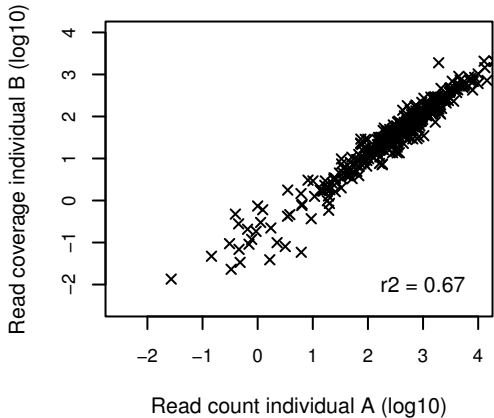




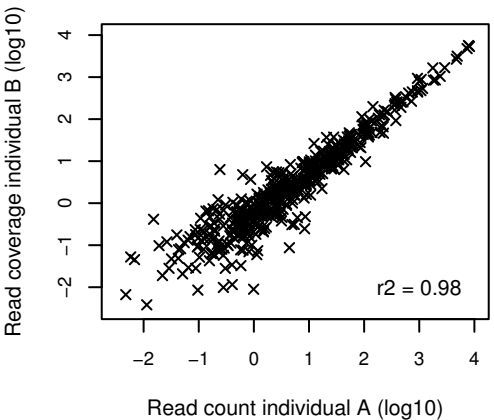
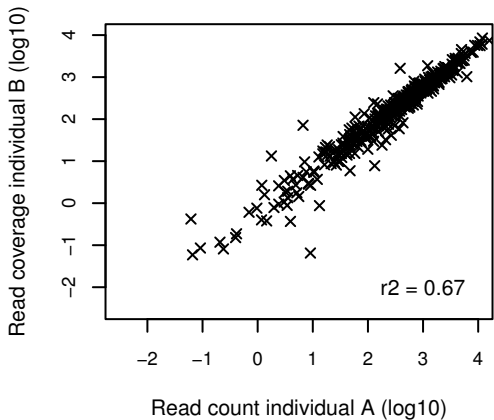
Rhesus



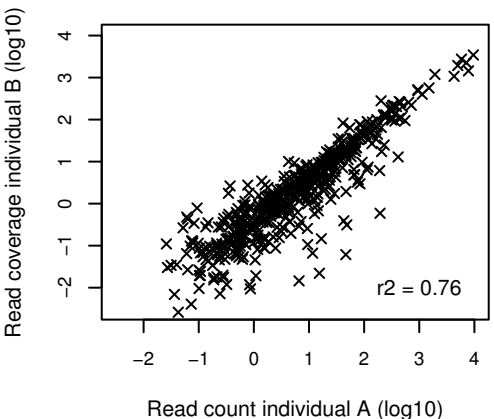
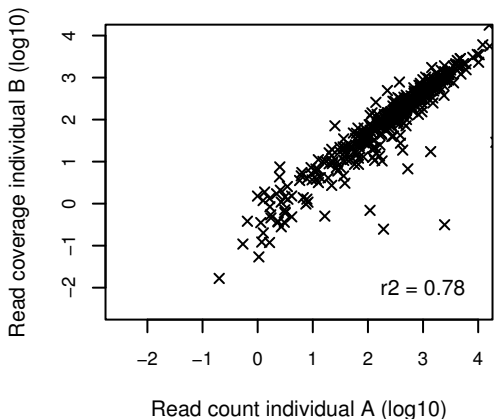
Cow

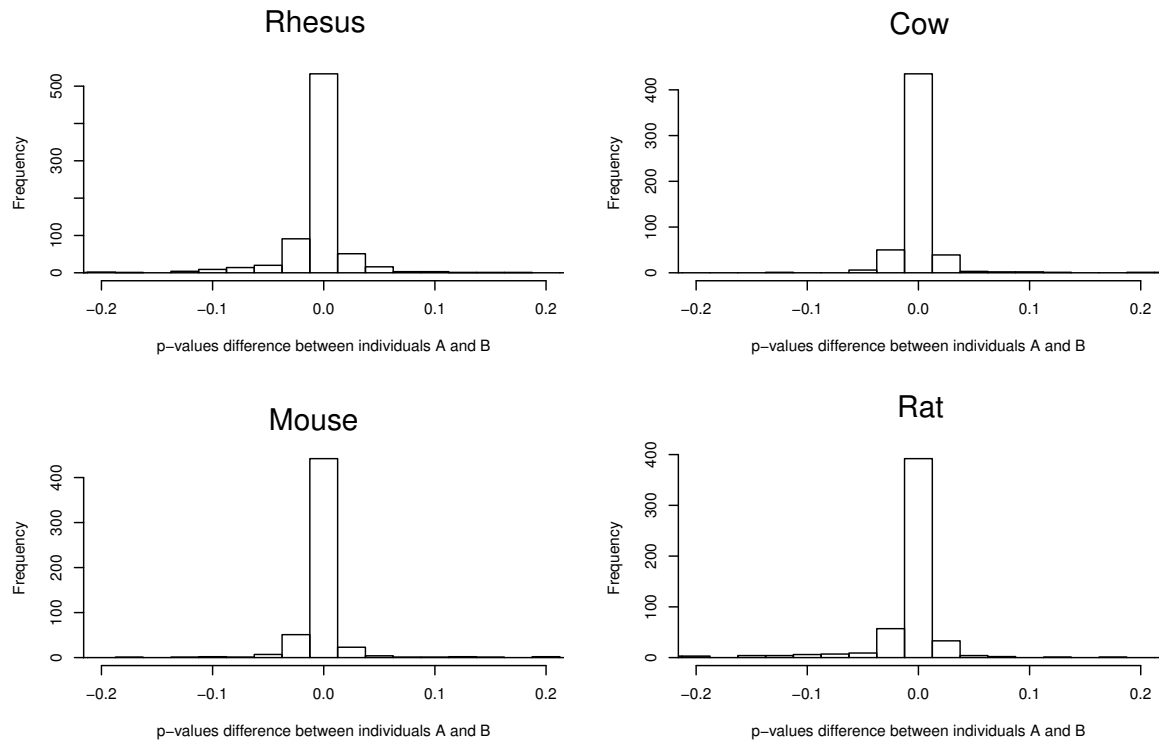
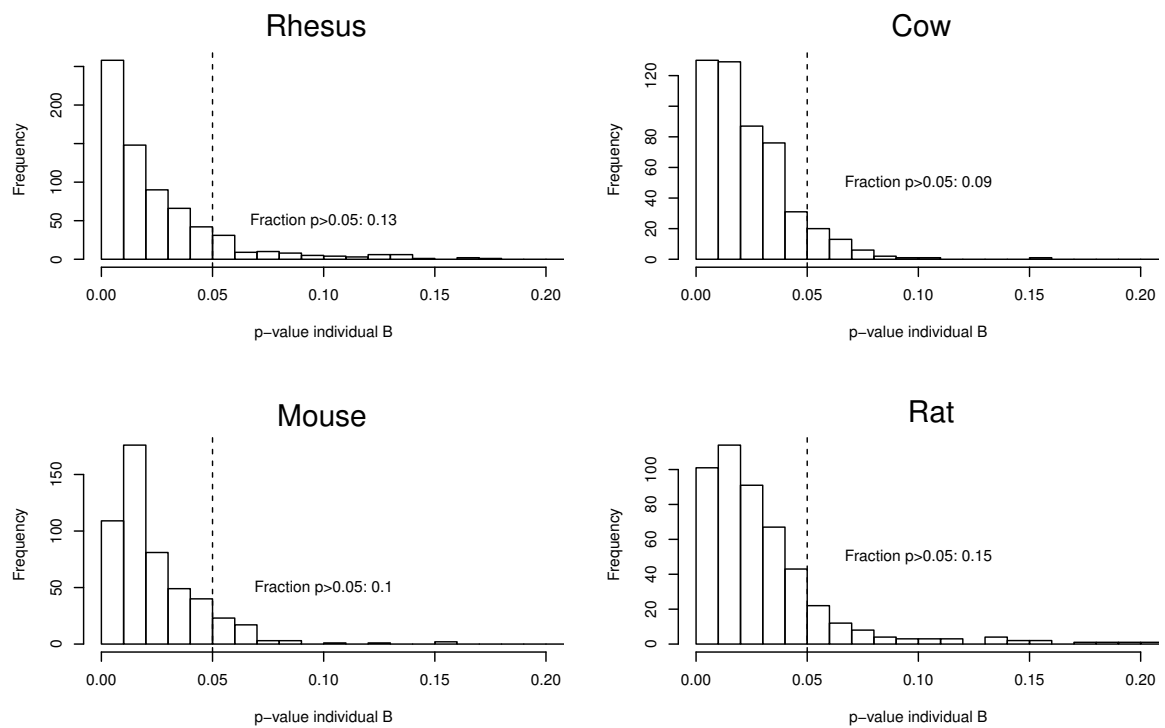


Mouse

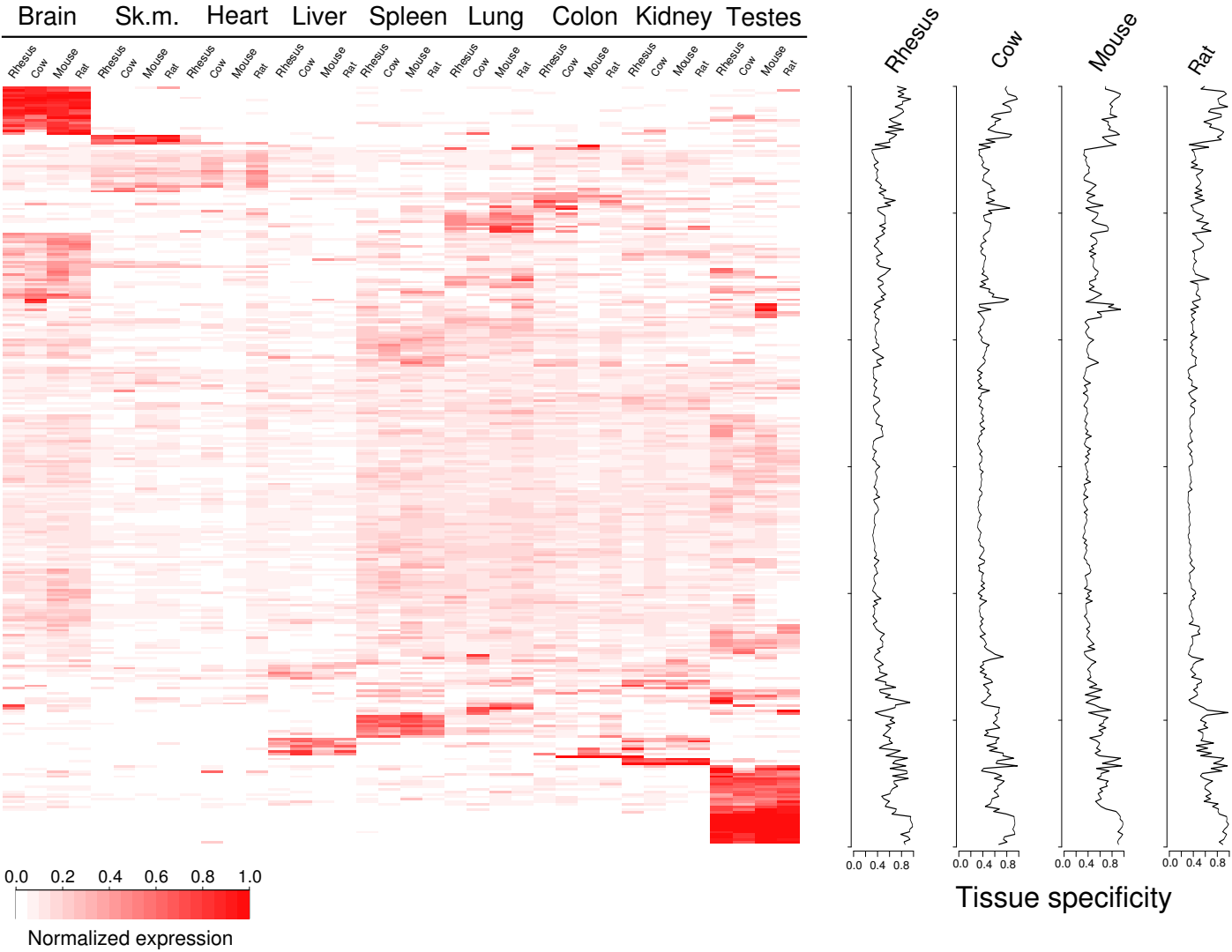


Rat



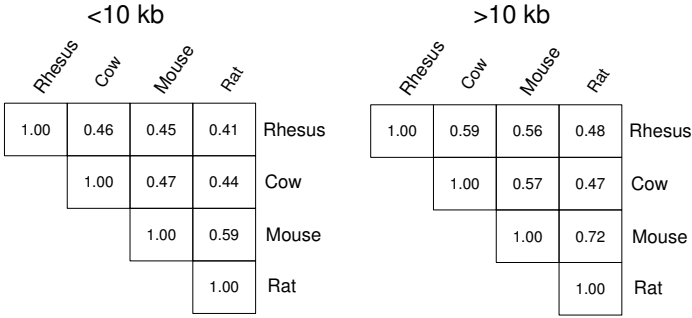
A**B**

A

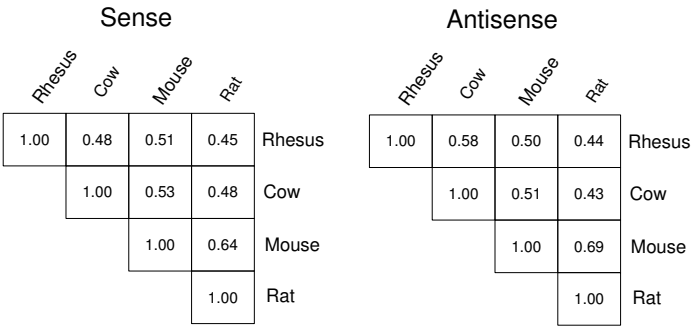


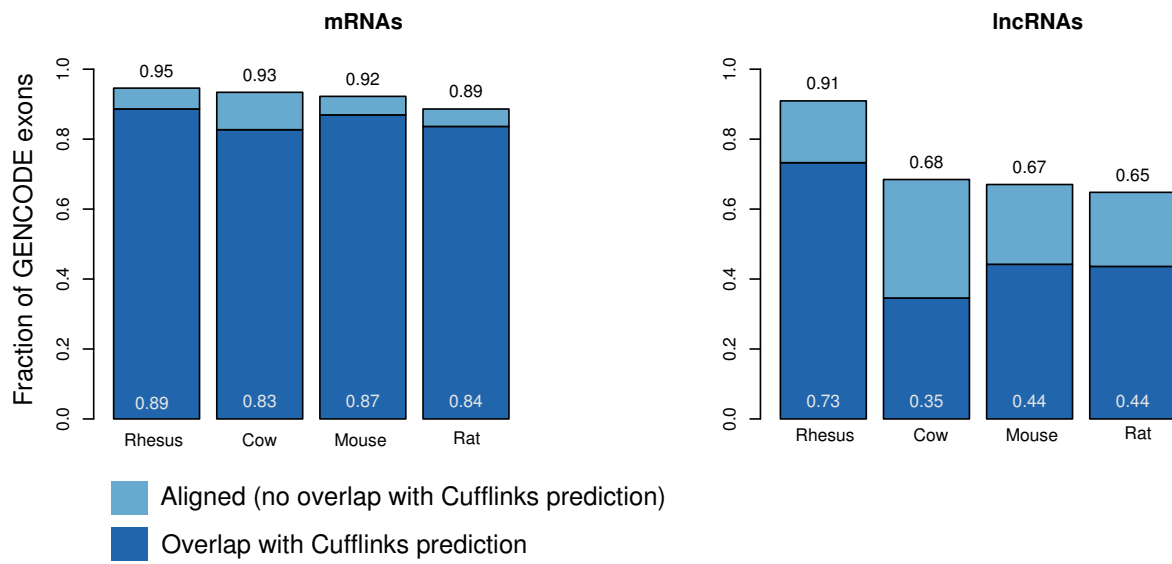
B

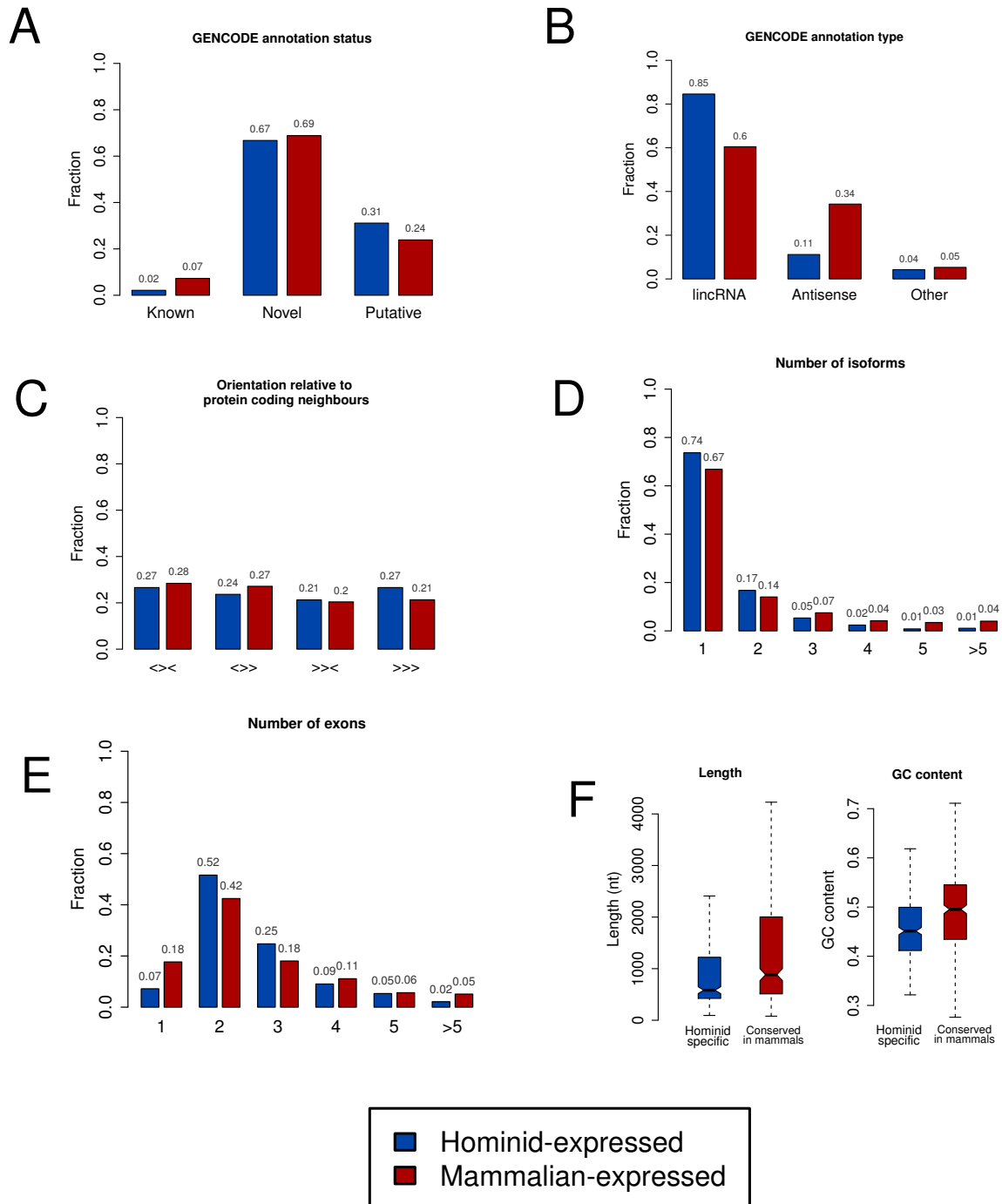
Distance to closest protein coding gene



Orientation relative to closest protein coding gene







Supplementary Table 1

Id	RNAcode	hg	panTro	ponAbe	rheMac	bosTau	mm	rn	monDom	ornAna	galGal
ENSG00000233757.2	2.442e-15	•	•	•	•	•	○	•	○	(•)	(•)
ENSG00000262601.1	6.561e-14	•	•	•	•	•	•	•	○	-	•
ENSG00000235106.2	1.614e-11	•	•	•	•	•	•	•	•	•	•
ENSG00000183016.8	2.335e-11	•	•	○	•	•	•	•	•	•	•
ENSG00000229191.1	7.773e-11	•	•	•	•	•	•	-	-	-	-
ENSG00000233988.1	1.559e-10	•	(•)	(○)	•	(○)	•	(•)	(•)	(•)	(•)
ENSG00000249430.1	8.647e-10	•	•	•	•	(•)	(•)	(•)	•	•	(•)
ENSG00000236717.1	1.167e-09	•	•	(•)	(•)	(•)	(•)	(•)	•	(•)	-
ENSG00000240661.1	3.66e-09	•	○	•	•	○	•	•	•	•	-
ENSG00000255989.1	3.939e-09	•	•	•	•	•	•	•	-	-	-
ENSG00000231486.3	3.952e-09	•	•	•	•	•	•	•	○	•	-
ENSG00000229481.1	6.353e-09	•	•	•	•	•	•	-	•	(•)	-
ENSG00000230223.1	2.243e-08	•	○	•	○	○	•	•	•	•	•
ENSG00000250891.1	2.711e-08	•	•	•	○	○	○	○	-	-	-
ENSG00000229703.1	4.242e-08	•	•	○	•	•	•	•	-	-	-
ENSG00000179859.7	9.059e-08	•	•	•	•	•	•	•	•	•	-
ENSG00000255669.1	1.04e-07	•	•	-	○	(•)	(•)	(•)	•	•	-
ENSG00000250366.2	1.363e-07	•	•	•	•	•	•	•	•	•	•
ENSG00000253364.1	1.508e-07	•	○	•	•	(•)	(○)	(•)	•	•	-
ENSG00000229015.1	2.739e-07	•	○	•	○	(•)	(•)	(•)	-	-	-
ENSG00000225760.1	9.198e-07	•	•	•	•	-	(•)	(•)	•	○	(•)
ENSG00000262179.1	1.029e-06	•	•	•	•	•	•	•	•	-	-
ENSG00000196553.9	1.462e-06	•	•	○	•	•	•	•	•	•	-
ENSG00000261760.1	1.464e-06	•	•	○	(•)	•	(•)	(•)	-	(•)	•
ENSG00000214733.4	1.466e-06	•	•	•	•	•	•	•	•	•	-
ENSG00000186369.5	2.466e-06	•	•	•	•	•	•	•	•	•	•
ENSG00000175701.6	2.499e-06	•	•	•	•	•	-	-	-	-	-
ENSG00000237265.1	8.355e-06	•	•	○	•	•	•	•	•	-	-
ENSG00000260231.1	8.401e-06	•	•	•	•	-	•	-	•	(•)	-
ENSG00000235590.2	9.953e-06	•	•	•	•	•	•	•	-	(•)	-
ENSG00000244227.1	1.522e-05	•	•	○	•	•	○	•	•	•	•
ENSG00000250303.2	1.567e-05	•	•	•	○	•	○	○	-	-	-
ENSG00000261040.1	1.848e-05	•	•	•	-	•	•	•	-	-	-
ENSG00000243993.1	2.125e-05	•	○	○	○	•	•	•	•	•	-
ENSG00000254369.2	3.271e-05	•	•	•	•	•	•	•	•	•	•
ENSG00000223573.1	3.438e-05	•	•	•	•	•	•	•	•	•	•
ENSG00000235387.1	3.542e-05	•	•	•	•	•	•	•	-	-	-
ENSG00000230092.2	4.026e-05	•	•	(•)	(•)	(•)	(•)	•	(○)	(•)	-
ENSG00000224910.1	4.237e-05	•	○	○	•	•	•	•	-	-	-
ENSG00000260521.1	4.802e-05	•	•	•	(•)	(•)	•	(•)	(•)	(•)	-
ENSG00000247157.2	4.931e-05	•	•	•	○	○	-	•	-	-	-
ENSG00000259417.2	5.376e-05	•	•	•	•	•	•	•	•	•	•
ENSG00000170846.11	5.665e-05	•	•	•	•	(•)	-	-	-	(•)	-
ENSG00000228141.2	6.024e-05	•	•	○	○	○	•	•	-	-	-
ENSG00000230498.1	0.0001202	•	•	•	•	•	•	•	-	•	-
ENSG00000215231.3	0.0001298	•	•	○	○	○	-	-	-	-	-
ENSG00000223438.1	0.00013	•	•	○	•	○	-	-	-	-	-
ENSG00000260422.1	0.0001511	•	•	•	•	•	•	•	•	○	•
ENSG00000229243.1	0.0001653	•	○	○	○	-	○	○	-	-	-
ENSG00000255829.1	0.0001774	•	○	○	○	○	-	-	-	-	-
ENSG00000250658.1	0.0001807	•	○	○	○	○	-	○	-	-	-
ENSG00000238261.3	0.0002016	•	•	(•)	(•)	(•)	(•)	(•)	(•)	(•)	(•)
ENSG00000225873.1	0.000209	•	•	○	•	•	•	•	-	-	-
ENSG00000196593.4	0.0002102	•	○	○	(•)	-	(•)	(•)	(•)	(•)	-
ENSG00000215908.4	0.0002449	•	•	(•)	•	•	(•)	•	(•)	(•)	-
ENSG00000232388.1	0.000258	•	•	•	•	•	•	•	○	-	-
ENSG00000225872.2	0.0002828	•	•	•	•	•	•	•	•	•	-
ENSG00000236322.1	0.0003126	•	(•)	(•)	(•)	(•)	(•)	(•)	(•)	(•)	-
ENSG00000241912.1	0.0003408	•	•	○	○	○	-	-	-	-	-
ENSG00000230027.1	0.0003437	•	•	•	○	○	○	-	-	-	-
ENSG00000225868.1	0.0003667	•	○	•	•	•	•	-	-	•	-
ENSG00000260006.1	0.000369	•	•	•	•	•	•	•	•	-	-
ENSG00000240990.4	0.0003918	•	•	•	•	•	•	•	•	•	•
ENSG00000196972.5	0.0004003	•	•	•	•	•	•	•	(•)	-	(•)
ENSG00000258994.1	0.000406	•	○	○	○	○	-	○	-	-	-
ENSG00000212766.4	0.0004386	•	•	•	•	○	○	○	-	-	-
ENSG00000234147.1	0.0004454	•	•	•	○	○	-	-	-	-	-
ENSG00000235049.1	0.00046	•	-	○	-	-	-	-	-	-	-
ENSG00000235725.1	0.0005244	•	○	○	○	○	-	-	-	-	-
ENSG00000227877.1	0.0005602	•	•	•	•	•	•	•	○	-	-
ENSG00000248508.2	0.0006268	•	•	○	○	○	-	-	-	-	-

Supplementary Table 2

Source	Species	Tissue	Mapped reads ($\times 10^6$)			Total
			Individual A	Individual B	Individual C	
Brawand <i>et al.</i>	Human	Brain				68.58
		Cerebellum				62.85
		Heart				65.83
		Liver				60.60
		Kidney				64.48
	Chimp	Testes				32.94
		Brain				95.96
		Cerebellum				36.24
		Heart				54.01
		Liver				34.99
		Kidney				51.85
		Testes				16.42
	Rhesus	Brain	189.72	61.29	46.04	297.04
		Heart	188.37	67.87	66.59	322.83
		Kidney	191.49	57.58	72.13	321.20
		Liver	198.01	48.30	45.26	291.57
		Testes	203.00	46.18	45.99	295.17
		Colon	183.97	40.64	67.99	292.59
		Lung	200.32	66.26	55.34	321.91
		Skv	209.31	50.02	58.37	317.69
		Spleen	171.04	71.14	67.61	309.79
	Cow	Brain	201.93	53.23	62.88	318.04
		Heart	232.78	40.14	74.34	347.26
		Kidney	238.66	55.44	46.19	340.29
		Liver	219.40	50.02	55.70	325.11
		Testes	198.21	72.17	48.05	318.43
		Colon	229.13	63.59	46.43	339.15
		Lung	207.07	46.44	72.30	325.81
		Skv	222.68	54.88	49.16	326.71
		Spleen	223.91	50.00	64.05	337.96
	Mouse	Brain	232.45	179.66	64.21	476.32
		Heart		84.61	36.58	121.20
		Kidney	254.81	253.59	63.89	572.29
		Liver	329.90	346.86	79.89	756.65
		Testes	221.49	219.74	71.26	512.49
		Colon	183.76	212.73	76.23	472.72
		Lung	119.10	71.25	226.99	417.34
		Skv	230.48	234.28	63.36	528.11
		Spleen	231.55	242.65	237.39	711.59
	Rat	Brain	173.43	28.85	60.72	262.99
		Heart	161.12	69.43	50.09	280.64
		Kidney	225.41	224.18	78.73	528.32
		Liver	250.20	51.74	81.57	383.50
		Testes	223.12	251.48	79.70	554.31
		Colon	142.94	215.11	62.73	420.78
		Lung	174.49	230.13	40.42	445.04
		Skv	128.75	69.75	75.72	274.23
		Spleen	222.85	216.21	61.72	500.77

Supplementary Table 3

Relative DAF		
Hominid-expressed lincRNAs	-3.2%	
Non-ENCODE regions	0.0%	Neutral reference
ENCODE regions	5.8%	
lincRNAs	7.3%	
Mammalian-expressed lincRNAs	9.0%	
Bound regulatory motifs	12.6%	
Conserved genome	100.0%	Conserved reference