

Supplementary Table. Filtered sequence information from the 454 run-processing software

library ID	copies-per-bead	raw wells	libraries (key = TCAG)							control beads (key = ATGC)						
			keypass wells	failed [%]				passed filter wells		keypass wells	failed [%]				passed filter wells	
			dot	mixed	short quality	short primer	[%]	number	dot	mixed	short quality	short primer	[%]	number		
Neanderthal 1	2.17	33,490	32,196	18.2	8.7	21.1	0.0	51.9	16,723	569	1.2	6.3	10.5	0.0	81.9	466
Neanderthal 2	2.25	33,835	32,549	14.0	9.5	15.6	0.0	60.8	19,797	533	0.4	6.0	10.1	0.0	83.5	445
Neanderthal 3	2.08	31,269	30,494	16.1	8.2	15.8	0.0	60.0	18,282	411	0.2	6.8	13.6	0.0	79.3	326
Neanderthal 4	2.17	33,002	31,983	15.5	9.2	14.5	0.0	60.8	19,461	542	0.4	6.6	10.5	0.0	82.5	447
Neanderthal 5	2.19	33,856	32,911	14.6	9.4	16.1	0.0	59.9	19,717	479	0.4	5.4	7.5	0.0	86.6	415
Neanderthal 6	2.16	26,831	25,632	12.1	11.3	11.6	0.0	65.1	16,679	350	0.3	3.7	12.6	0.0	83.4	292
Neanderthal 7	2.14	38,954	37,865	13.2	10.8	14.4	0.0	61.6	23,315	400	1.5	5.0	18.0	0.0	75.5	302
Neanderthal 8	2.20	27,940	27,080	15.3	9.5	14.9	0.0	60.2	16,294	358	1.4	4.7	12.3	0.0	81.6	292
Neanderthal 9	2.15	31,543	30,679	16.2	11.5	13.6	0.0	58.7	17,999	383	1.6	6.8	10.4	0.0	81.2	311
Neanderthal 10	1.59	29,744	28,935	12.0	7.8	10.6	0.0	69.7	20,154	444	0.5	5.2	12.2	0.0	82.2	365
Neanderthal 11	2.33	34,640	33,878	17.1	8.9	17.7	0.0	56.3	19,071	359	0.3	6.1	7.8	0.0	85.8	308
Neanderthal 12	2.25	31,663	30,665	12.4	9.2	14.0	0.0	64.4	19,754	449	0.4	4.5	12.5	0.0	82.6	371
SAGE ditags	1.64	37,142	35,782	5.6	3.4	31.0	0.2	59.9	21,429	512	0.6	5.7	43.0	0.0	50.8	260
Amplicons	1.35	38,234	37,748	7.0	11.2	26.8	0.2	54.9	20,716	212	0.0	11.3	43.9	0.0	44.8	95
Bonobo	2.33	33,431	32,421	5.4	20.3	36.4	0.2	37.7	12,232	403	0.5	4.5	39.2	0.0	55.8	225