

Sample	Read pairs (M)	Mapped pairs (%)	On target pairs (%)	Mapped to Restriction Sites:			Coverage in target	Kept
				0 of 2 in pair (%)	1 of 2 in pair (%)	2 of 2 in pair (%)		
Mj0722	7.0	96.6	47.2	15.4	32.7	51.9	4.0	Y
Me0395	23.8	97.1	47.5	16.5	34.3	49.2	12.2	Y
Mb0125	18.1	96.4	42.2	21.0	37.2	41.9	8.3	Y
Mi0652	7.4	96.0	41.9	24.1	37.4	38.5	4.0	Y
Mg0523	13.6	96.7	37.1	22.8	39.7	37.5	5.6	Y
Ma0001	46.8	96.2	46.1	20.5	42.6	36.9	22.8	Y
X1	21.3	97.0	36.6	24.3	40.3	35.4	8.5	Y
Mg0520	19.1	95.4	44.4	23.6	42.6	33.8	9.1	Y
Mj0721	23.5	94.5	49.5	22.5	44.1	33.5	12.3	Y
X4	28.0	96.7	35.4	25.7	41.4	33.0	10.6	Y
Mn0843	20.5	93.7	53.7	24.2	43.5	32.3	11.8	Y
Mc0250	10.7	95.7	47.9	22.9	45.7	31.4	5.7	Y
Md0336	7.8	95.6	49.6	23.7	45.8	30.6	4.5	Y
Mo0877	33.7	96.7	36.8	25.4	44.7	29.9	13.3	Y
Mn0842	19.6	93.5	47.3	26.9	44.3	28.8	9.9	Y
Mc0254	16.5	96.4	46.4	25.1	46.4	28.5	8.2	Y
Mi0793	10.4	97.1	37.3	27.6	44.8	27.7	4.5	Y
Mb0121	8.1	96.1	41.7	26.8	46.4	26.8	4.3	Y
X5	21.4	96.8	35.6	29.3	44.3	26.4	8.2	Y
Mb0124	12.0	96.4	45.7	27.1	46.7	26.3	6.1	Y
Mi0780	25.0	94.1	43.4	29.2	45.4	25.5	11.5	Y
Mb0122	8.1	96.3	42.4	29.0	46.5	24.5	4.1	Y
Mn0607	19.4	91.7	42.8	32.1	43.5	24.4	9.0	Y
Ma0002	20.1	93.9	44.4	30.6	45.1	24.4	9.8	Y
Mc0246	26.6	93.5	46.3	31.7	44.1	24.2	13.0	Y
Mi0781	21.0	93.4	42.0	31.4	44.7	23.9	9.4	Y
X3	20.3	96.6	32.8	32.7	43.4	23.9	7.1	Y
Mo0878	31.1	93.1	42.9	32.8	43.9	23.3	14.1	Y
Mi0796	17.7	96.8	34.9	32.4	44.7	22.9	6.8	Y
Mi0640	27.9	88.9	42.9	35.3	41.8	22.9	12.7	Y
Md0337	10.4	94.5	42.4	31.4	45.7	22.9	5.1	Y
Ma0004	9.7	90.1	33.4	37.6	39.9	22.5	4.7	Y
Mn0811	14.9	97.0	34.7	33.5	44.3	22.1	5.8	Y
Mo0879	21.5	97.0	28.3	34.3	43.6	22.1	6.6	Y
Md0334	23.4	87.4	45.5	36.5	41.8	21.7	11.4	Y
Md0340	6.1	94.6	42.8	32.4	46.1	21.6	3.4	Y
Mk0757	20.2	97.0	33.9	34.3	44.2	21.5	7.5	Y
Me0392	7.6	94.8	39.8	33.3	45.8	20.9	3.7	Y
Mf0447	19.1	92.1	43.1	35.1	44.3	20.6	8.9	Y
Me0396	17.7	96.7	27.2	35.8	43.9	20.3	5.4	Y
Me0391	17.6	94.4	40.0	35.9	44.5	19.5	7.7	Y
Mi0646	8.8	94.4	29.9	43.1	37.8	19.1	3.2	Y
Mg0521	22.0	90.6	42.7	37.8	43.3	18.9	10.2	Y
Mn0848	20.6	97.0	26.0	37.1	44.0	18.8	5.9	Y
Mi0641	38.4	83.7	38.8	42.8	38.7	18.6	15.9	Y
Mf0453	17.9	93.7	30.2	43.6	38.5	17.9	5.9	Y
Mf0448	19.5	91.7	40.3	38.4	43.8	17.8	8.6	Y
Mn0820	14.5	94.8	30.8	40.0	42.4	17.5	5.0	Y
Mh0620	9.6	94.6	30.2	41.4	41.8	16.7	3.5	Y
Mo0882	5.7	94.9	29.9	42.1	41.4	16.4	2.5	Y
Mb0123	7.1	96.2	34.5	37.5	46.2	16.3	3.3	Y
Mc0249	9.6	94.4	36.2	38.1	45.6	16.2	4.3	Y
Me0390	22.5	92.0	33.6	41.7	42.4	15.9	8.3	Y
Mc0248	13.7	94.6	37.9	38.5	45.8	15.7	6.0	Y
Me0393	9.4	93.3	35.4	39.8	44.8	15.3	4.1	Y
Mk0754	9.0	95.9	25.8	45.7	39.9	14.4	3.1	Y
Mn0812	17.2	95.7	27.3	50.4	35.9	13.7	5.5	Y
Mf0450	9.1	88.9	27.0	52.5	34.5	13.0	3.2	Y
Mf0449	7.8	91.9	26.7	51.6	35.5	12.9	2.8	Y
Mj0732	17.4	96.8	25.7	45.5	41.9	12.6	4.9	Y
Md0335	18.9	87.9	30.5	48.4	39.4	12.2	6.6	Y
Mj0720	28.5	86.5	31.8	48.3	40.1	11.6	10.1	Y
Mc0247	21.0	90.0	29.7	49.6	39.3	11.1	7.3	Y
Mn0606	1.3	92.4	36.9	42.4	43.6	14.0	1.5	N
Mi0782	8.7	94.0	25.2	53.9	32.4	13.8	2.9	N
Mi0656	16.4	91.6	26.0	53.6	35.0	11.4	4.9	N
Mn0846	17.7	89.7	24.6	57.5	32.5	10.0	5.1	N
Mh0612	7.6	90.7	19.7	68.3	22.9	8.8	2.3	N
Mi0642	7.9	89.0	18.0	73.6	17.9	8.6	2.2	N
X6	18.3	95.2	20.1	55.0	36.9	8.2	4.1	N
Ma0012	15.8	90.9	22.3	60.2	31.7	8.1	4.3	N
Mg0530	10.6	87.8	19.6	70.4	21.7	8.0	2.9	N
Mn0609	6.2	87.8	19.8	68.4	23.7	7.9	2.2	N
X2	19.5	97.0	20.8	55.5	36.7	7.8	4.5	N
Me0394	9.0	85.4	18.8	71.6	21.6	6.8	2.9	N
Mf0452	12.7	86.7	18.5	72.2	21.3	6.5	3.2	N
Mg0522	8.5	87.1	17.3	73.9	19.8	6.2	2.5	N
Ma0010	8.6	87.1	20.0	68.8	25.2	6.0	2.8	N
Mh0608	7.7	88.9	15.9	76.2	18.5	5.3	2.2	N
Mk0756	13.0	94.5	15.5	77.9	17.3	4.9	3.0	N
Mn0845	8.5	88.0	16.1	77.0	18.1	4.8	2.3	N
Mk0764	9.2	89.5	15.9	76.6	19.5	4.0	2.5	N
Mg0529	12.7	89.7	13.0	82.0	14.4	3.6	2.6	N
Mi0649	11.1	85.5	14.4	78.0	18.4	3.6	2.7	N
Mh0615	14.9	95.4	12.3	76.5	20.1	3.4	2.5	N
Mj0724	6.8	91.3	12.8	85.5	11.6	2.9	2.1	N
Ma0006	10.9	88.9	12.3	83.7	14.3	2.1	2.2	N
Mj0733	7.9	90.2	11.9	84.4	13.8	1.7	1.8	N
Mk0753	6.4	92.1	9.5	91.2	7.3	1.5	1.7	N
Mean (kept)	17.5	94.2	38.0	33.8	42.5	23.8	7.5	—
Mean (all)	15.5	93.0	32.3	44.5	36.8	18.7	6.1	—

S4 Table. Read mapping results for Argentine individuals. Read pairs are given per million (M), and coverage is given in fold-coverage, the final column indicates whether the samples were included (Y) or excluded (N) from the downstream analysis. The target region is defined to be the union of simulated digest fragments between 200-600 bp that had $\geq 3X$ mean coverage per sample and where $\geq 10\%$ of mate pairs were mapped to restriction sites at the end of the fragment.