

Supplementary Table 1: Number of reads generated and number of reads mapped per individual of the F6 population and per barcode used.

F6 individual ID	Barcodes used	Total no. of reads	Total no. of reads mapped
F6_007	AGTTAAT	3734004	1892608
F6_007	GGAACGA	2873364	1469888
F6_019	CCACCA	3228690	1790440
F6_043	GCTAACA	3883570	1843324
F6_067	TCCGCA	3508444	1752120
F6_067	AAGACGCT	3463530	1780730
F6_078	TGACGCCA	2877080	1497652
F6_078	GGCTTA	2946266	1579986
F6_078	AGTCAAGA	3588204	1851404
F6_082	GCGCTCA	2780564	1671700
F6_082	ACTGCT	3318326	1999102
F6_082	CAGGCCACT	2676468	1599468
F6_089	AATCG	3426648	1658268
F6_089	CGCTCA	2470628	1292496
F6_094	ATCATACT	3868612	2015884
F6_096	CTTCCTCT	3594044	1826582
F6_104	GGAG	2949452	1644198
F6_104	TTGCGTCT	3211508	1770454
F6_111	TCTCA	3861838	2099668
F6_111	CCGAACA	2929892	1627822
F6_118	AACGCACATT	2972880	1659176
F6_166	ATGG	3218304	1654978
F6_177	CCATCCACT	3206816	1564532
F6_193	GACAG	3054350	1623398
F6_193	CATCTGCCG	2798222	1529008
F6_196	GAAGTG	2986164	1640768
F6_200	TTCGTT	3190950	1618114
F6_215	CCACTCA	2683846	1521374
F6_215	AGTGTTAA	3554896	1934752
F6_217	TAGATGA	2979752	1743442
F6_229	ACCA	3210690	1929296
F6_229	CTCACT	3436894	2047934
F6_230	CCTG	3221504	1541600
F6_246	GACATCCA	3552648	1619604
F6_253	GGTATA	2873952	1838354
F6_256	GCAAGCCAT	3128914	1732108
F6_256	TCAT	3979442	2163914
F6_257	TCACGGAAG	3127990	1805074
F6_274	CGCAACCAGT	2409004	1498802
F6_274	TTGTAG	3842066	2171800
F6_276	AGAATGA	3490392	2087450
F6_276	GGAAGACAT	2705574	1617430
F6_280	ATTACA	3930948	2051226
F6_283	CGACG	2947354	1475654
F6_283	GCGCCACT	2680618	1342304

F6_294	GACTCGG	3141330	1757962
F6_295	GTGCACCA	3015728	1503300
F6_295	GATGA	3423352	1699090
F6_307	TATTCGCAT	3288310	1544762
F6_324	TCTTGG	3301002	1553738
F6_324	CTAAGCA	3352510	1585200
F6_328	TATCA	3286464	1761192
F6_329	AGGAG	3068432	1585560
F6_342	GAGCGAA	3165078	1608434
F6_355	TTGACCAG	3109682	1673568
F6_366	ATAGAT	3439226	1601744
F6_368	GGTGT	2567078	1408388
F6_368	ATGAGCAA	3370410	1827330
F6_370	AATTAG	3636746	1847228
F6_371	CTCGCGG	2454668	1241052
F6_371	TAGCAG	3253726	1684754
