**Supplemental Table 2:** Regions of interest identified from pooled whole-genome sequencing in 20 pacers and 20 trotters. Regions were either highly differentiated between pacers and trotters (FST ≥ 0.35) or had both low pool heterozygosity (Hp < 0.1) in one of the groups and high differentiation (FST ≥ 0.30). CHR = chromosome; BP = base pair; nSNPs = number of single nucleotide polymorphisms; Het = heterozygosity; P = pacers; T = trotters. Intervals were remapped to EquCab3.0 using BLAST (NCBI); these are shown in parentheses beneath the EquCab2 locations in the table. There was one interval that did not map to the new reference due to an alignment gap.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Criteria | CHR | BPstart | BPend | nSNPs | Het P | Het (T) | FST P vs. T |
| FST | 1 | 38550001(38799648) | 38600000(38849603) | 137 | 0.37 | 0.15 | 0.36 |
| FST | 1 | 38800001(39050918) | 38850000(39100850) | 162 | 0.41 | 0.16 | 0.35 |
| FST+Het (T) | 1 | 106900001(107814628) | 106950000(107864591) | 323 | 0.40 | 0.09 | 0.34 |
| FST+Het (T) | 1 | 106925001(107839628) | 106975000(107889648) | 229 | 0.42 | 0.62 | 0.35 |
| FST | 3 | 2475001(2607721) | 2525000(2657637) | 521 | 0.35 | 0.18 | 0.35 |
| FST | 3 | 36325001(37044709) | 36375000(37094434) | 49 | 0.12 | 0.45 | 0.37 |
| FST | 3 | 52275001(53748519) | 52325000(53798521) | 306 | 0.20 | 0.41 | 0.35 |
| FST+Het (T) | 4 | 8975001(8975583) | 9025000(9025603) | 335 | 0.27 | 0.10 | 0.33 |
| FST | 4 | 9050001(9050617) | 9100000(9100616) | 546 | 0.31 | 0.22 | 0.45 |
| FST | 4 | 9075001(9075618) | 9125000(9125621) | 659 | 0.29 | 0.23 | 0.42 |
| FST | 5 | 55275001(51854606) | 55325000(51904614) | 206 | 0.31 | 0.26 | 0.38 |
| FST | 5 | 55300001(51879605) | 55350000(51929614) | 186 | 0.33 | 0.24 | 0.37 |
| FST | 5 | 61125001(57707180) | 61175000(57757172) | 362 | 0.17 | 0.35 | 0.38 |
| FST | 5 | 66150001(62979383) | 66200000(63029378) | 187 | 0.31 | 0.17 | 0.40 |
| FST | 5 | 66175001(63004381) | 66225000(63054378) | 220 | 0.32 | 0.21 | 0.38 |
| FST | 6 | 81275001(82439170) | 81325000(82487568) | 164 | 0.13 | 0.36 | 0.37 |
| FST+Het (P) | 6 | 81525001(82688791) | 81575000(82738800) | 101 | 0.07 | 0.34 | 0.38 |
| FST+Het (P) | 6 | 81625001(82788817) | 81675000(82838816) | 93 | 0.08 | 0.37 | 0.31 |
| FST | 9 | 29125001(29906127) | 29175000(29956151) | 280 | 0.25 | 0.40 | 0.38 |
| FST | 9 | 29150001(29931142) | 29200000(29981143) | 282 | 0.25 | 0.40 | 0.37 |
| FST | 9 | 29175001(29956153) | 29225000(30006143) | 253 | 0.23 | 0.40 | 0.35 |
| FST+Het (P) | 9 | 44550001(46206312) | 44600000(46256398) | 109 | 0.05 | 0.39 | 0.34 |
| FST+Het (P) | 9 | 44575001(46231360) | 44625000(46281356) | 86 | 0.05 | 0.39 | 0.36 |
| FST+Het (P) | 11 | 29475001(29734805) | 29525000(29784776) | 261 | 0.08 | 0.44 | 0.32 |
| FST | 11 | 29500001(29759805) | 29550000(29809785) | 490 | 0.11 | 0.41 | 0.38 |
| FST | 11 | 29525001(29784778) | 29575000(29835462) | 469 | 0.20 | 0.36 | 0.38 |
| FST+Het (P) | 11 | 31275001(31573660) | 31325000(31663818) | 171 | 0.06 | 0.38 | 0.32 |
| FST+Het (P) | 11 | 31450001(31748719) | 31500000(31798714) | 75 | 0.07 | 0.38 | 0.30 |
| FST+Het (P) | 11 | 36625001(36920225) | 36675000(36970186) | 74 | 0.04 | 0.39 | 0.33 |
| FST+Het (P) | 11 | 36650001(36945244) | 36700000(36995189) | 116 | 0.02 | 0.38 | 0.32 |
| FST+Het (P) | 11 | 36675001(36970188) | 36725000(37020174) | 114 | 0.02 | 0.37 | 0.32 |
| FST+Het (P) | 11 | 36700001(36995191) | 36750000(37045173) | 79 | 0.02 | 0.33 | 0.33 |
| FST+Het (P) | 11 | 36725001(37020176) | 36775000(37070168) | 78 | 0.04 | 0.32 | 0.37 |
| FST+Het (P) | 11 | 36750001(37045175) | 36800000(37095167) | 130 | 0.03 | 0.37 | 0.48 |
| FST+Het (P) | 11 | 36775001(37070170) | 36825000(37120167) | 137 | 0.04 | 0.36 | 0.47 |
| FST+Het (T) | 12 | 14200001(15204395) | 14250000(15240003) | 35 | 0.34 | 0.01 | 0.37 |
| FST | 12 | 16250001(19680380) | 16300000(19730386) | 366 | 0.16 | 0.42 | 0.36 |
| FST | 12 | 16375001(19805396) | 16425000(19855352) | 379 | 0.18 | 0.37 | 0.38 |
| FST | 12 | 16400001(19830345) | 16450000(19880356) | 351 | 0.17 | 0.36 | 0.36 |
| FST | 14 | 1350001(591156) | 1400000(641174) | 472 | 0.30 | 0.23 | 0.40 |
| FST | 14 | 1375001(616173) | 1425000(666173) | 459 | 0.33 | 0.17 | 0.50 |
| FST | 14 | 1400001(641176) | 1450000(691173) | 289 | 0.32 | 0.18 | 0.51 |
| FST | 14 | 1475001(716173) | 1525000(766137) | 596 | 0.39 | 0.25 | 0.36 |
| FST | 14 | 1500001(741173) | 1550000(791335) | 745 | 0.42 | 0.20 | 0.39 |
| FST | 14 | 1525001(766139) | 1575000(816335) | 436 | 0.41 | 0.17 | 0.40 |
| FST+Het (T) | 14 | 5450001(4684550) | 5500000(4734581) | 164 | 0.38 | 0.03 | 0.31 |
| FST | 15 | 10100001(10371492) | 10150000(10421490) | 391 | 0.40 | 0.19 | 0.35 |
| FST | 16 | 59350001(60929845) | 59400000(60979776) | 163 | 0.29 | 0.35 | 0.37 |
| FST | 17 | 50950001(50828482) | 51000000(50878481) | 99 | 0.33 | 0.10 | 0.38 |
| FST+Het (T) | 17 | 50975001(50853483) | 51025000(50903481) | 175 | 0.34 | 0.08 | 0.37 |
| FST+Het (T) | 17 | 51000001(50878483) | 51050000(50928481) | 215 | 0.32 | 0.09 | 0.30 |
| FST | 17 | 61700001(61592627) | 61750000(61642637) | 213 | 0.17 | 0.37 | 0.37 |
| FST | 17 | 65625001(65526031) | 65675000(65576028) | 217 | 0.32 | 0.24 | 0.36 |
| FST+Het (T) | 18 | 75675001(not aligned) | 75725000(not aligned) | 4 | 0.26 | 0.09 | 0.50 |
| FST+Het (T) | 20 | 25100001(25963160) | 25150000(26013157) | 592 | 0.44 | 0.08 | 0.35 |
| FST+Het (T) | 20 | 27675001(28579429) | 27725000(28629392) | 1095 | 0.41 | 0.05 | 0.45 |
| FST | 20 | 27700001(28604393) | 27750000(28654392) | 912 | 0.37 | 0.10 | 0.42 |
| FST | 20 | 27725001(28629394) | 27775000(28679390) | 720 | 0.35 | 0.19 | 0.37 |
| FST | 20 | 46925001(47919318) | 46975000(47969368) | 330 | 0.36 | 0.24 | 0.37 |
| FST | 20 | 47050001(48044375) | 47100000(48094371) | 241 | 0.25 | 0.27 | 0.42 |
| FST | 20 | 47075001(48069375) | 47125000(48119380) | 224 | 0.26 | 0.29 | 0.41 |
| FST | 23 | 14600001(13967204) | 14650000(14017217) | 158 | 0.30 | 0.18 | 0.36 |
| FST | 23 | 14625001(13992206) | 14675000(14042211) | 186 | 0.31 | 0.21 | 0.36 |
| FST | 23 | 20625001(20008730) | 20675000(20058818) | 371 | 0.23 | 0.35 | 0.36 |
| FST+Het (P) | 23 | 50450001(50260812) | 50500000(50310654) | 43 | 0.05 | 0.41 | 0.32 |
| FST | 24 | 6700001(6562469) | 6750000(6612429) | 265 | 0.13 | 0.40 | 0.37 |
| FST | 24 | 10275001(10131967) | 10325000(10181822) | 367 | 0.20 | 0.33 | 0.36 |
| FST | 25 | 3650001(3697137) | 3700000(3747133) | 409 | 0.23 | 0.29 | 0.40 |
| FST | 25 | 3675001(3722137) | 3725000(3772118) | 470 | 0.24 | 0.27 | 0.41 |
| FST | 25 | 3700001(3747135) | 3750000(3791181) | 474 | 0.24 | 0.28 | 0.41 |
| FST | 25 | 3800001(3848533) | 3850000(3897404) | 397 | 0.21 | 0.28 | 0.41 |
| FST | 25 | 3825001(3873533) | 3875000(3923569) | 685 | 0.21 | 0.30 | 0.48 |
| FST | 25 | 11775001(11824176) | 11825000(11874178) | 283 | 0.18 | 0.21 | 0.43 |
| FST | 25 | 11800001(11849161) | 11850000(11900037) | 361 | 0.18 | 0.22 | 0.37 |
| FST | 25 | 15025001(15424701) | 15075000(15476571) | 192 | 0.27 | 0.21 | 0.37 |
| FST+Het (T) | 29 | 3175001(4189335) | 3225000(4239637) | 275 | 0.42 | 0.09 | 0.38 |
| FST+Het (T) | 29 | 3250001(4264639) | 3300000(4314636) | 113 | 0.36 | 0.06 | 0.32 |
| FST+Het (T) | 29 | 3275001(4289638) | 3325000(4339638) | 147 | 0.40 | 0.007 | 0.34 |
| FST+Het (T) | 29 | 3300001(4314638) | 3350000(4364671) | 282 | 0.40 | 0.007 | 0.35 |
| FST+Het (T) | 29 | 3325001(4339640) | 3375000(4389684) | 303 | 0.39 | 0.007 | 0.37 |
| FST+Het (T) | 29 | 3350001(4364673) | 3400000(4414655) | 172 | 0.38 | 0.02 | 0.35 |
| FST+Het (T) | 29 | 3400001(4414657) | 3450000(4464629) | 227 | 0.32 | 0.01 | 0.30 |
| FST+Het (T) | 29 | 3425001(4439662) | 3475000(4489586) | 352 | 0.39 | 0.04 | 0.39 |
| FST+Het (T) | 29 | 10075001(11098082) | 10125000(11148079) | 310 | 0.39 | 0.10 | 0.34 |
| FST+Het (T) | 30 | 14075001(14910612) | 14125000(14960611) | 209 | 0.30 | 0.10 | 0.32 |
| FST | 30 | 14900001(15735334) | 14950000(15785653) | 382 | 0.38 | 0.11 | 0.37 |
| FST | 30 | 14925001(15760648) | 14975000(15810653) | 346 | 0.34 | 0.12 | 0.38 |
| FST | 30 | 14950001(15785655) | 15000000(15835659) | 283 | 0.32 | 0.13 | 0.35 |
| FST+Het (T) | 30 | 15075001(15910678) | 15125000(15960648) | 208 | 0.28 | 0.10 | 0.33 |