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Supplemental Figure S6. Breed-specific map data for the Arabian. Colored bars represent previously reported signatures of selection (green) (Petersen et al. 2013), unique recombination hotspots (red), and unique coldspots (blue).



Supplemental Figure S7. Breed-specific map data for the Belgian. Colored bars represent previously reported signatures of selection (green) (Petersen et al. 2013), unique recombination hotspots (red), and unique coldspots (blue).

<u>'n i'um da na i</u> ECA1 **.........**.... 0001111 1.000 ECA2 11.0.00 ECA3 ╘ ECA4 **ا** ا _____ 11.1 ECA5 ____ 11, 1, 11 ECA6 <u>n na s</u> ECA7 нц, **'**mm Ш **III** 1 II Franches-Montagnes SoS ECA8 Unique Hotspots ______ 111.00 ECA9 Unique Coldspots <u>____</u>___ a din m 10 ECA10 ECA11 ECA12 ECA13 ECA14 ECA15 ECA16 1 11 11 ECA17 ч 1110 10100 ECA18 ECA19 ECA20 ECA21 ECA22 111 ECA23 ECA24 ECA25 ECA26 ECA27 ECA28 ECA29 ECA30 ECA31 ECAX

Supplemental Figure S8. Breed-specific map data for the Franches-Montagnes. Colored bars represent the locations of previously reported signatures of selection (green) (Petersen et al. 2013), unique recombination hotspots (red), and unique coldspots (blue).



Supplemental Figure S9. Breed-specific map data for the French Trotter. Colored bars represent the locations of previously reported signatures of selection (green) (Petersen et al. 2013), unique recombination hotspots (red), and unique coldspots (blue).



Supplemental Figure S10. Breed-specific map data for the Icelandic. Colored bars represent the locations of previously reported signatures of selection (green) (Petersen et al. 2013), unique recombination hotspots (red), and unique coldspots (blue).

ECA1 ECA2 ECA3 ECA4 ECA5 _____ ECA6 111 1110 ECA7 Unique Hotspots ECA8 Unique Coldspots . ECA9 ECA10 ECA11 ECA12 ECA13 ECA14 ECA15 ECA16 ш ECA17 ECA18 ECA19 ECA20 ECA21 -----ECA22 ECA23 ECA24 ECA25 ECA26 ECA27 ECA28 ECA29 ECA30 ECA31 ECAX

Supplemental Figure S11. Breed-specific map data for the Lusitano. Colored bars represent the locations of unique recombination hotspots (red) and unique coldspots (blue). Signatures of selection analyses were not performed for the Lusitano in Petersen et al. (2013).

ECA1 ┍╨┇╝╸╜╜╞┟┍┶┙ ECA2 ECA3 Ш ECA4 Щ ECA5 1 ECA6 . ECA7 Unique Hotspots F ECA8 Unique Coldspots Щ ECA9 ECA10 ECA11 ECA12 ECA13 ECA14 ECA15 ECA16 ECA17 ECA18 ECA19 ECA20 ECA21 ECA22 ECA23 ECA24 ╇ ECA25 ECA26 ECA27 ECA28 ┢ ECA29 ECA30 ╧┲┻╧╄╧┺╧╘ ECA31 ECAX

Supplemental Figure S12. Breed-specific map data for the Maremmano. Colored bars represent the locations of unique recombination hotspots (red) and unique coldspots (blue). Signatures of selection analyses were not performed for the Maremmano in Petersen et al. (2013).

00000 ECA1 ECA2 ECA3 ECA4 <u>щ</u>, 1.110 uù e 1.10 ECA5 ECA6**.**..... ECA7 F Morgan SoS ECA8 Unique Hotspots _ ECA9 Unique Coldspots 1.1.1. ┢ 1111 ECA10 ECA11 ECA12 ECA13 ECA14 ECA15 ECA16 ЩЩ ECA17 п, 11. <u>0. 1.11.1</u>00 ECA18 ECA19 ECA20 ECA21 an haan ECA22 ECA23 I **II** 1111111 ECA24 ┶ ECA25 ECA26 ECA27 ECA28 101 001 11 11 110 1100 ECA29 ECA30 ECA31 ECAX

Supplemental Figure S13. Breed-specific map data for the Morgan. Colored bars represent the locations of previously reported signatures of selection (green) (Petersen et al. 2013), unique recombination hotspots (red), and unique coldspots (blue).



Supplemental Figure S14. Breed-specific map data for the Quarter Horse. Colored bars represent the locations of previously reported signatures of selection (green) (Petersen et al. 2013), unique recombination hotspots (red), and unique coldspots (blue).



Supplemental Figure S15. Breed-specific map data for the Standardbred. Colored bars represent the locations of previously reported signatures of selection (green) (Petersen et al. 2013), unique recombination hotspots (red), and unique coldspots (blue).



Supplemental Figure S16. Breed-specific map data for the Thoroughbred. Colored bars represent the locations of previously reported signatures of selection (green) (Petersen et al. 2013), unique recombination hotspots (red), and unique coldspots (blue).

ECA1 ECA2 ECA3 ECA4 ECA5 1.1 ECA6 11 ECA7 Unique Hotspots ECA8 Unique Coldspots ECA9 ECA10 ECA11 ╨╼╸╨╙╺┚ ____ ECA12 ECA13 -ECA14 Ш ECA15 1 11 1 ECA16 ECA17 ECA18 ECA19 ECA20 ECA21 ECA22 ECA23 ECA24 ECA25 ECA26 ECA27 ECA28 ECA29 ECA30 ECA31 ECAX

Supplemental Figure S17. Breed-specific map data for the Welsh Pony. Colored bars represent the locations of unique recombination hotspots (red), and unique coldspots (blue). Signatures of selection analyses were not performed for the Welsh Pony in Petersen et al. (2013).