mds02-pos PetPet HanXRQChr01 HanXRQChr03 HanXRQChr04 HanXRQChr02 HanXRQChr05 0.4 0.2 150 0 50 50 100 150 50 50 100 100 150 0 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 -0.2 MB Fst Window = 1 75 100 25 75 100 0 50 100 150 0 50 100 150 200 25 50 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.2 0.0 100 150 150 50 100 150 200 0 50 50 100 0 100 150 50 100 HanXRQChr16 HanXRQChr17 0.4 0.2 -0.0 100 150 50 0 50 100 150 200

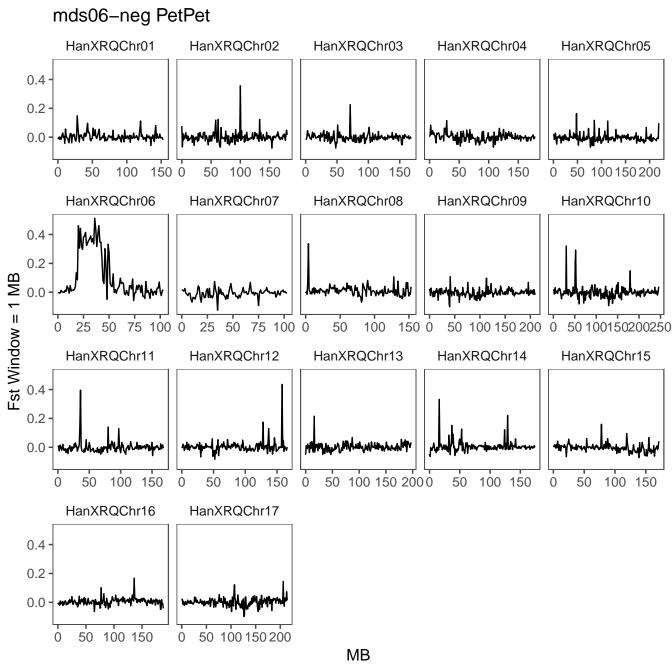
MB

mds03-neg PetPet HanXRQChr01 HanXRQChr03 HanXRQChr04 HanXRQChr02 HanXRQChr05 0.4 0.3 -0.2 -0.1 0.0 150 0 100 150 100 150 50 50 100 150 200 50 100 50 50 0 100 150 0 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 -0.3 0.2 MB 0.1 Fst Window = 1 75 25 75 100 0 50 100 150 0 50 100 150 200 50 100150200250 25 0 50 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.4 -0.3 0.2 0.1 0.0 150 50 150 50 100 150 200 0 150 100 0 100 0 50 100 50 100 HanXRQChr16 HanXRQChr17 0.4 -0.3 0.2 0.1 0.0 50 100 150 0 50 100 150 200 MB

mds04-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.6 0.4 -0.2 50 100 150 100 150 50 100 150 50 100 150 200 50 100 150 0 50 0 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 0.4 -0.2 Fst Window = 1 75 75 100 0 50 150 0 50 100 150 200 50 100150200250 25 100 HanXRQChr11 HanXRQChr12 HanXRQChr14 HanXRQChr15 HanXRQChr13 0.6 0.4 -0.2 -100 150 100 150 200 0 100 150 50 0 50 50 100 150 50 100 HanXRQChr16 HanXRQChr17 0.6 0.4 -0.2 0.0 50 100 150 0 50 100 150 200

MB

mds05-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.6 -0.4 0.2 50 50 100 150 50 100 150 50 100 150 50 100 150 200 100 150 0 0 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 -0.4 1 MB 0.2 0.0 Fst Window = 1 75 100 25 50 75 100 0 50 100 150 50 100 150 200 50 100150200250 0 0 0 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.2 0.0 150 150 50 100 50 100 150 200 0 150 50 100 100 0 0 50 100 HanXRQChr16 HanXRQChr17 0.6 -0.4 -0.2 100 150 50 0 50 100 150 200 MB



mds07-pos PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.4 -0.3 0.2 0.1 0.0 50 100 50 100 150 50 100 150 50 100 150 150 0 0 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 -0.3 0.2 MB 0.1 Fst Window = 1 N 0.0 0.3 25 75 100 0 25 50 75 100 0 50 100 150 50 100 150 200 50 100150200250 0 0 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.4 0.2 0.1 0.0 50 50 100 150 50 150 50 100 150 200 0 0 100 0 100 150 50 100 0 HanXRQChr16 HanXRQChr17 0.4 -0.3 0.2 0.1 0.0 50 100 150 0 50 100 150 200 0 MB

mds09-pos PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.5 0.4 -0.3 -0.2 -0.1 -0.0 150 0 100 150 100 150 50 100 50 50 100 150 50 100 150 200 50 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.5 0.4 -0.3 -0.2 $\frac{MB}{MB}$ 0.1 -Fst Window = 75 100 75 100 0 150 0 50 100 150 200 25 50 25 50 50 100 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.5 0.4 -0.3 0.2 0.1 0.0 -100 50 100 150 50 100 150 0 50 100 150 200 0 50 150 50 100 150 HanXRQChr16 HanXRQChr17 0.5 0.4 -0.3 -0.2 -0.1 -0.0 50 100 150 50 100 150 200 MB

mds12-pos PetPet HanXRQChr01 HanXRQChr03 HanXRQChr04 HanXRQChr02 HanXRQChr05 0.6 -0.4 -0.2 0.0 150 0 50 100 150 100 150 50 0 50 100 50 0 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 -0.4 -1 MB 0.2 0.0 Fst Window = 100 0 25 75 100 0 50 150 50 100 150 200 50 100150200250 50 100 0 0 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.6 0.4 -0.2 0.0 100 150 200 0 150 100 150 50 100 150 0 50 50 100 50 100 150 HanXRQChr16 HanXRQChr17 0.6 0.4 -0.2 50 100 150 50 100 150 200 0

MB

mds14-pos PetPet HanXRQChr01 HanXRQChr03 HanXRQChr04 HanXRQChr02 HanXRQChr05 0.6 -0.4 0.2 0.0 100 150 100 150 50 100 150 0 50 50 0 50 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 0.4 Fst Window = 1 MB0.2 75 100 25 75 100 150 50 100 150 200 25 0 50 0 50 100 0 0 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.6 0.4 -0.2 0.0 150 50 100 150 50 100 150 200 0 150 50 100 0 0 50 100 50 100 HanXRQChr16 HanXRQChr17 0.6 -0.4 -0.2 -0.0 50 100 150 0 50 100 150 200 MB

mds15-pos PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.4 0.3 0.2 0.1 0.0 -0.1150 0 50 100 150 50 100 150 50 100 150 50 100 0 50 100 150 200 0 0 0 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 0.3 0.2 MB 0.1 0.0 -0.1Fst Window = 0 25 50 75 100 0 50 150 0 50 100 150 200 50 100150200250 0 100 0 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.4 0.3 0.2 0.1 -0.1100 150 150 0 50 0 100 150 0 50 100 150 200 0 50 100 50 100 0 HanXRQChr16 HanXRQChr17 0.4 -0.3 0.2 0.1 0.0 -0.150 100 150 200 0 50 100 150 0 MB

mds16-pos PetPet HanXRQChr01 HanXRQChr03 HanXRQChr04 HanXRQChr02 HanXRQChr05 0.4 -0.3 -0.2 0.1 0.0 150 0 100 150 50 100 150 100 150 50 100 50 0 50 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 -0.3 0.2 MB 0.1 Fst Window = 175 100 0 25 75 100 0 50 100 150 0 50 100 150 200 50 100150200250 25 50 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.4 -0.3 0.2 0.1 0.0 150 50 150 100 150 200 0 150 100 0 100 0 50 50 100 50 100 HanXRQChr16 HanXRQChr17 0.4 -0.3 -0.2 0.1 0.0 100 150 0 50 100 150 200 MB

mds17-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 8.0 0.6 -0.4 -0.2 -0.0 150 0 100 150 50 100 150 50 100 150 50 100 150 200 50 100 50 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 8.0 0.6 0.4 -**B** 0.2 Fst Window = 175 100 25 75 100 0 100 150 0 50 100 150 200 25 50 0 50 50 50 100150200250 HanXRQChr11 HanXRQChr13 HanXRQChr14 HanXRQChr15 HanXRQChr12 8.0 0.6 0.4 -0.2 0.0 150 100 150 200 0 150 100 50 100 150 0 50 50 100 50 100 HanXRQChr16 HanXRQChr17 8.0 0.6 -0.4 -0.2 -

MB

0.0

50 100 150

0

50 100 150 200

mds18-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.8 -0.6 0.4 -0.2 0.0 150 0 50 100 150 100 150 50 100 150 200 50 100 50 50 100 150 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.8 -0.6 0.4 MB 0.2 Fst Window = 1 I 25 75 100 0 50 150 50 100 150 200 25 50 75 50 100 0 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr14 HanXRQChr15 HanXRQChr13 0.4 -0.2 -0.0 150 100 150 200 0 150 50 100 150 50 100 0 50 50 100 50 100 HanXRQChr16 HanXRQChr17 0.8 -0.6 0.4 -0.2 0.0 50 100 150 0 50 100 150 200

MB

mds19-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.6 -0.4 0.2 0.0 150 0 100 150 50 100 150 50 50 100 150 200 50 100 50 0 100 150 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 -0.4 0.2 Fst Window = 1 N 75 100 0 50 100 150 50 100 150 200 50 100150200250 25 25 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.6 -0.2 50 150 50 150 100 150 200 0 50 150 100 100 0 100 50 100 HanXRQChr16 HanXRQChr17 0.6 -0.4 0.2 0.0 50 100 150 0 50 100 150 200 MB

mds21-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.4 -0.3 -0.2 0.1 -0.0 150 0 100 150 150 50 50 100 150 200 50 100 50 50 100 100 150 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 -0.3 0.2 MB 0.1 -Fst Window = 175 100 25 75 100 0 100 150 0 50 100 150 200 25 0 50 50 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr15 HanXRQChr14 0.4 -0.3 0.2 0.1 0.0 100 150 100 150 200 0 150 100 150 50 0 50 50 100 50 100 150 HanXRQChr16 HanXRQChr17 0.4 -0.3 -0.2 0.1 -0.0 50 100 150 0 50 100 150 200 MB

mds22-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.6 -0.4 -0.2 -0.0 150 0 100 150 50 50 100 50 100 150 50 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 -0.4 -0.2 Fst Window = 175 100 0 25 50 75 100 0 50 150 0 50 100 150 200 50 100150200250 25 100 0 HanXRQChr11 HanXRQChr13 HanXRQChr12 HanXRQChr14 HanXRQChr15 0.6 -0.4 -0.2 150 100 150 200 0 100 150 100 50 100 150 50 50 50 100 150 HanXRQChr16 HanXRQChr17 0.6 -0.4 -0.2 -0.0 50 100 150 0 50 100 150 200 MB

mds23-neg PetPet HanXRQChr01 HanXRQChr03 HanXRQChr04 HanXRQChr02 HanXRQChr05 0.8 0.6 0.4 0.2 0.0 50 50 50 100 150 0 100 150 100 150 0 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 8.0 0.6 0.4 0.2 Fst Window = 75 100 0 25 50 100 0 50 150 50 100 150 200 25 75 100 0 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 8.0 0.6 0.4 0.2 0.0 150 50 150 50 100 150 200 0 100 0 100 0 50 100 150 100 HanXRQChr16 HanXRQChr17 0.8 0.6 0.4 0.2 -0.0 100 150 0 50 100 150 200 MB

mds26-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.6 -0.4 -0.2 -150 0 50 50 100 100 150 50 100 150 50 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 -0.4 -MB0.2 Fst Window = 175 100 0 150 0 50 100 150 200 25 50 50 100 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr14 HanXRQChr15 HanXRQChr13 0.6 -0.4 0.2 0.0 150 150 100 150 50 100 0 50 100 150 200 0 50 100 50 100 150 HanXRQChr16 HanXRQChr17 0.6 -0.4 -0.2 -0.0 100 150 0 50 100 150 200 MB

mds27-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.4 -0.2 -150 0 100 150 100 150 50 50 100 150 200 50 100 50 50 100 150 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 -0.2 Fst Window = 1 - 1.0 75 100 0 50 150 0 50 100 150 200 25 50 75 25 50 100 50 100150200250 HanXRQChr11 HanXRQChr14 HanXRQChr12 HanXRQChr13 HanXRQChr15 0.2 0.0 50 100 150 200 0 100 150 50 100 150 50 100 150 50 50 100 150 HanXRQChr16 HanXRQChr17 0.4 -0.2 -0.0 -50 100 150 0 50 100 150 200 MB

mds27-pos PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.4 -0.2 0.0 150 0 100 150 50 100 150 50 50 100 150 200 50 100 100 150 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 -0.2 Fst Window = 175 100 0 25 75 100 0 150 0 50 100 150 200 50 100150200250 25 50 50 50 100 0 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.4 -0.2 0.0 -50 100 150 2000 50 100 150 50 100 150 50 100 150 50 100 150 HanXRQChr16 HanXRQChr17 0.4 -0.2 -0.0 50 100 150 0 50 100 150 200 MB

mds28-neg PetPet HanXRQChr01 HanXRQChr04 HanXRQChr02 HanXRQChr03 HanXRQChr05 0.4 -0.2 50 0 50 100 150 0 50 100 150 50 100 150 0 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 0.2 1 MB =st Window = 100 0 75 50 150 50 100 150 200 25 100 0 100 0 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.4 0.2 100 150 200 0 150 100 150 50 100 150 0 50 50 100 50 100 HanXRQChr16 HanXRQChr17 0.4 -0.2 100 150 50 100 150 200 0 MB

mds30-neg PetPet HanXRQChr01 HanXRQChr04 HanXRQChr02 HanXRQChr03 HanXRQChr05 0.3 -0.2 0.1 -0.0 50 100 100 150 100 150 150 0 50 0 50 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.3 -0.2 -0.1 1 MB 0.0 Est Window = 0.3 - 0.2 -100 0 25 50 75 100 0 50 150 50 100 150 200 100 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.3 -0.1 50 50 150 150 50 150 0 100 150 200 0 100 HanXRQChr16 HanXRQChr17 0.3 -0.2 0.1 100 150 50 100 150 200 0 MB

mds33-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 8.0 0.6 -0.4 -0.2 0.0 150 0 50 100 150 50 100 150 50 100 150 50 100 150 200 50 100 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 8.0 0.6 0.4 -**B** 0.2 Fst Window = 1 75 100 0 25 50 75 100 0 50 150 0 50 100 150 200 50 100150200250 25 50 100 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 HanXRQChr11 8.0 0.6 0.4 -0.2 0.0 -50 100 150 2000 100 150 100 150 50 100 150 0 50 50 100 150 HanXRQChr16 HanXRQChr17 8.0 0.6 -0.4 -0.2 -0.0 -50 100 150 50 100 150 200 0

MB

mds35-neg PetPet HanXRQChr01 HanXRQChr05 HanXRQChr02 HanXRQChr03 HanXRQChr04 0.50 0.25 0.00 -0.25150 0 100 150 50 100 150 0 50 100 150 50 100 50 0 50 100150200 0 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.50 -0.25 0.00 MB -0.25 Fst Window = 25 75 100 0 25 50 75 100 0 50 50 100 150 200 100 150 0 0 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.50 -0.25 0.00 -0.2550 100 150 50 100 150 0 50 100 150 200 0 50 100 150 50 100 150 0 HanXRQChr16 HanXRQChr17 0.50 -0.25 0.00 -0.2550 100 150 50 100 150 200 0 MB

mds36-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.6 -0.4 -0.2 0.0 150 0 100 150 100 150 50 100 150 200 50 100 50 50 50 100 150 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 0.4 -**B** 0.2 Fst Window = 175 100 0 25 50 75 100 0 50 150 0 50 100 150 200 0 50 100150200250 25 100 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.6 0.4 -0.2 -0.0 150 50 100 150 2000 100 150 100 50 100 150 0 50 50 100 150 HanXRQChr16 HanXRQChr17 0.6 -0.4 -0.2 -0.0 -50 100 150 50 100 150 200 0 MB

mds36-pos PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.6 0.4 0.2 0.0 -0.250 150 0 50 100 150 50 100 150 0 50 100 150 100 0 0 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 0.4 0.2 0.0 -0.2 Fst Window = 25 0 25 50 75 100 0 50 150 0 50 100 150 200 75 100 100 50 100150200250 0 HanXRQChr11 HanXRQChr15 HanXRQChr12 HanXRQChr13 HanXRQChr14 0.6 0.4 0.2 0.0 -0.250 100 150 0 50 100 150 0 50 100 150 200 0 50 100 150 0 50 100 150 HanXRQChr16 HanXRQChr17 0.6 0.4 0.2 0.0 -0.250 100 150 200 50 100 150 0 MB

mds37-neg PetPet HanXRQChr01 HanXRQChr04 HanXRQChr02 HanXRQChr03 HanXRQChr05 0.3 -0.2 0.1 150 0 100 150 100 150 50 50 100 50 50 0 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.3 -0.2 1 MB 0.1 Fst Window = 0.0 75 25 75 100 0 50 150 50 100 150 200 25 50 100 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.1 150 50 150 50 100 150 200 0 150 100 100 0 50 100 50 100 HanXRQChr16 HanXRQChr17 0.3 -0.2 0.1 100 150 50 100 150 200 0 MB

mds39-neg PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.6 -0.4 -0.2 -0.0 150 0 100 150 100 150 50 100 150 50 100 50 50 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.6 -0.4 -0.2 Fst Window = 175 100 50 75 100 0 50 150 0 50 100 150 200 25 50 25 100 50 100150200250 HanXRQChr11 HanXRQChr14 HanXRQChr12 HanXRQChr13 HanXRQChr15 0.6 -0.4 -0.2 0.0 100 150 150 50 100 150 2000 100 150 50 100 50 100 150 0 50 50 HanXRQChr16 HanXRQChr17 0.6 -0.4 -0.2 0.0 50 100 150 50 100 150 200 MB

mds39-pos PetPet HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.3 -0.2 0.1 0.0 150 0 100 150 50 100 50 100 150 50 0 50 100 150 50 100 150 200 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.3 0.2 0.1 -0.0 Fst Window = 100 0 25 75 100 0 150 0 50 100 150 200 50 50 100 0 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr14 HanXRQChr15 HanXRQChr13 0.3 0.2 0.1 0.0 -50 100 150 200 0 150 100 150 50 100 150 0 50 100 50 100 150 HanXRQChr16 HanXRQChr17 0.3 -0.2 -0.1 100 150 50 100 150 200 0 MB

mds40-neg PetPet HanXRQChr01 HanXRQChr04 HanXRQChr02 HanXRQChr03 HanXRQChr05 0.8 0.6 0.4 -0.2 0.0 50 150 0 100 150 50 100 150 50 50 100 150 200 100 50 0 0 100 150 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 8.0 0.6 0.4 0.2 0.0 Fst Window = 100 0 75 100 150 50 100 150 200 0 50 0 50 100150200250 100 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 8.0 0.6 0.4 0.2 -50 100 150 200 0 150 150 0 50 100 150 50 100 50 100 0 HanXRQChr16 HanXRQChr17 8.0 0.6 -0.4 -0.2 100 150 50 100 150 200 0 MB