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

mds05-neg Anomalus HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.8 -0.6 0.4 0.2 0.0 50 100 150 0 50 100 150 50 100 150 50 100 150 50 100 150 200 0 0 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.8 -0.6 0.4 MB0.2 0.0 Fst Window = 50 75 100 0 25 50 75 100 0 100 150 0 50 100 150 200 50 100150200250 0 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 0.8 -0.6 0.4 0.2 0.0 150 50 50 100 150 200 0 50 0 100 0 100 150 0 100 150 0 50 100 HanXRQChr16 HanXRQChr17 0.8 -0.6 0.4 0.2 0.0 100 150 50 0 50 100 150 200 0 MB

mds06-pos Anomalus HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.4 0.2 0.0 -0.2150 0 50 100 150 50 100 150 50 100 150 50 100 150 200 50 100 0 0 0 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 0.4 0.2 0.0 -0.2 Fst Window = 25 100 0 50 150 0 50 100 150 200 25 50 100 0 50 100150200250 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr15 HanXRQChr14 0.4 0.2 0.0 -0.250 100 150 150 0 50 100 150 200 0 50 100 150 0 50 100 HanXRQChr16 HanXRQChr17 0.4 0.2 -0.250 100 150 50 100 150 200 0 0 MB

mds12-neg Anomalus HanXRQChr01 HanXRQChr02 HanXRQChr03 HanXRQChr04 HanXRQChr05 0.8 -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 0.8 -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 25 100 50 100150200250 HanXRQChr11 HanXRQChr13 HanXRQChr14 HanXRQChr15 HanXRQChr12 0.4 -0.2 -0.0 -50 100 150 2000 100 150 100 150 50 100 150 0 50 50 100 150 HanXRQChr16 HanXRQChr17 0.8 -0.6 -0.4 -0.2 -0.0 50 100 150 50 100 150 200 0

MB

mds13-neg Anomalus HanXRQChr01 HanXRQChr04 HanXRQChr02 HanXRQChr03 HanXRQChr05 0.8 0.6 0.4 0.2 0.0 50 100 150 0 50 100 150 50 100 150 50 100 150 50 100 150 200 0 0 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr10 8.0 0.6 0.4 0.2 0.0 Fst Window = 75 100 0 25 50 75 100 0 50 100 150 50 100 150 200 50 100150200250 0 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 8.0 0.6 0.4 0.2 0.0 50 150 50 150 50 50 100 0 100 0 100 150 200 0 100 150 100 0 HanXRQChr16 HanXRQChr17 8.0 0.6 0.4 0.2 0.0

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