mds03-pos BetweenSS=0.989 Het_pvalue=3.91e-22 Window_cluster=4.49 Location=HanXRQChr11:62MB 0.09 Cluster Cluster species PetPet 0.03 -110 -105 -0.05 -Longitude -0.10 -0.050.00 -0.050.00 PC1 PC1 PC1 Cluster HanXRQChr06 0.50 mds03

mds04-pos BetweenSS=0.961 Het_pvalue=0.771 Window_cluster=67.8 Location=HanXRQChr12:20MB 0.10 -Cluster Cluster species O.05 PetPet PetPet 30.0 -115 -110 Longitude 0.00 PC1 PC1 PC1 Cluster HanXRQChr04 HanXRQChr05 HanXRQChr06 HanXRQChr07 HanXRQChr09 HanXRQChr10 HanXRQChr11 HanXRQChr12

mds05-pos BetweenSS=0.985 Het_pvalue=0.0608 Window_cluster=3.32 Location=HanXRQChr14:142MB 0.09 -Cluster Cluster species 0.00 -110 -105 Longitude -0.05 --0.15 -0.10 -0.05 0.00 -0.10 -0.05 PC1 PC1 PC1 Cluster HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr05 HanXRQChr08 mds05

mds09-neg BetweenSS=0.995 Het_pvalue=1.34e-26 Window_cluster=4.11 Location=HanXRQChr01:38MB 0.05 -0.04 0.10 -Cluster Cluster species PetPet -0.05 --115 -110 -105 Longitude -0.10-0.050.00 0.04 0.08 0.00 0.04 0.08 0.00 PC1 PC1 PC1 Cluster HanXRQChr05 HanXRQChr07 HanXRQChr08 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15

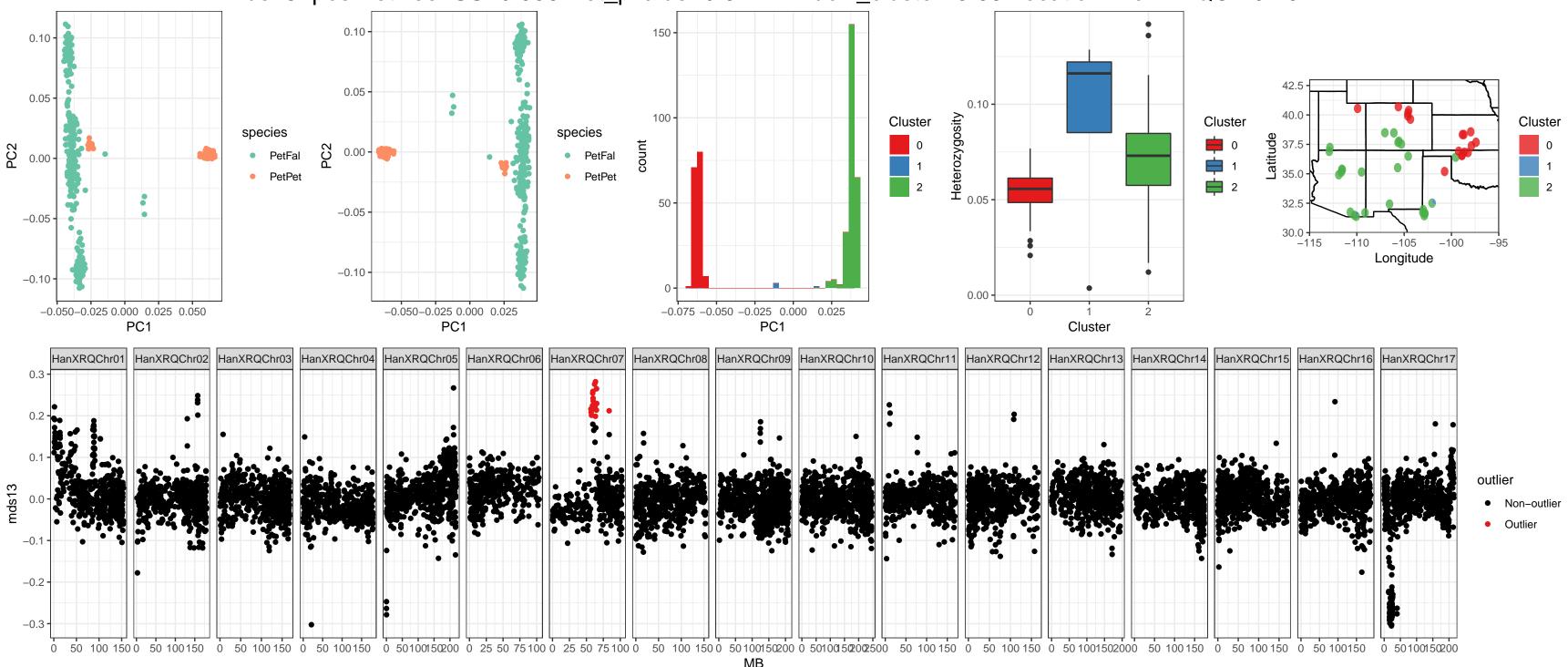
50 100 150 0 50 100 150 0 50 100 150 0 50 100 150 0 50 100 150 0 50 100 150 0 0 25 50 75 100 0 25 50 75 100 0

mds12-pos BetweenSS=0.986 Het_pvalue=2.33e-10 Window_cluster=1.9 Location=HanXRQChr05:194MB 0.10 0.05 0.100 Cluster Cluster species species PetPet 25 0.025 -115 -110 -105 -100 Longitude -0.10 **-**0.000 -0.05-0.10-0.05-0.05PC1 PC1 PC1 Cluster HanXRQChr04 HanXRQChr05 HanXRQChr08 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 outlier

50 100 150 0 50 100 150 0 50 1001502000 50 100 150 0 50 100 150 0 50 100150 0 50 100150 0 50 100150200

mds12-neg BetweenSS=0.979 Het_pvalue=3.92e-10 Window_cluster=3.28 Location=HanXRQChr09:137MB 0.100 Cluster Cluster species -115 -110 -105 -100 0.025 -0.05Longitude -0.05 **-**-0.050.00 -0.050.00 -0.05PC1 PC1 PC1 Cluster HanXRQChr04 HanXRQChr07 HanXRQChr08 HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 outlier 50 100 150 0 50 100 150 0 50 1001502000 50 100 150 0 50 100 150 0 50 100150 0 50 100150 0 50 100150200

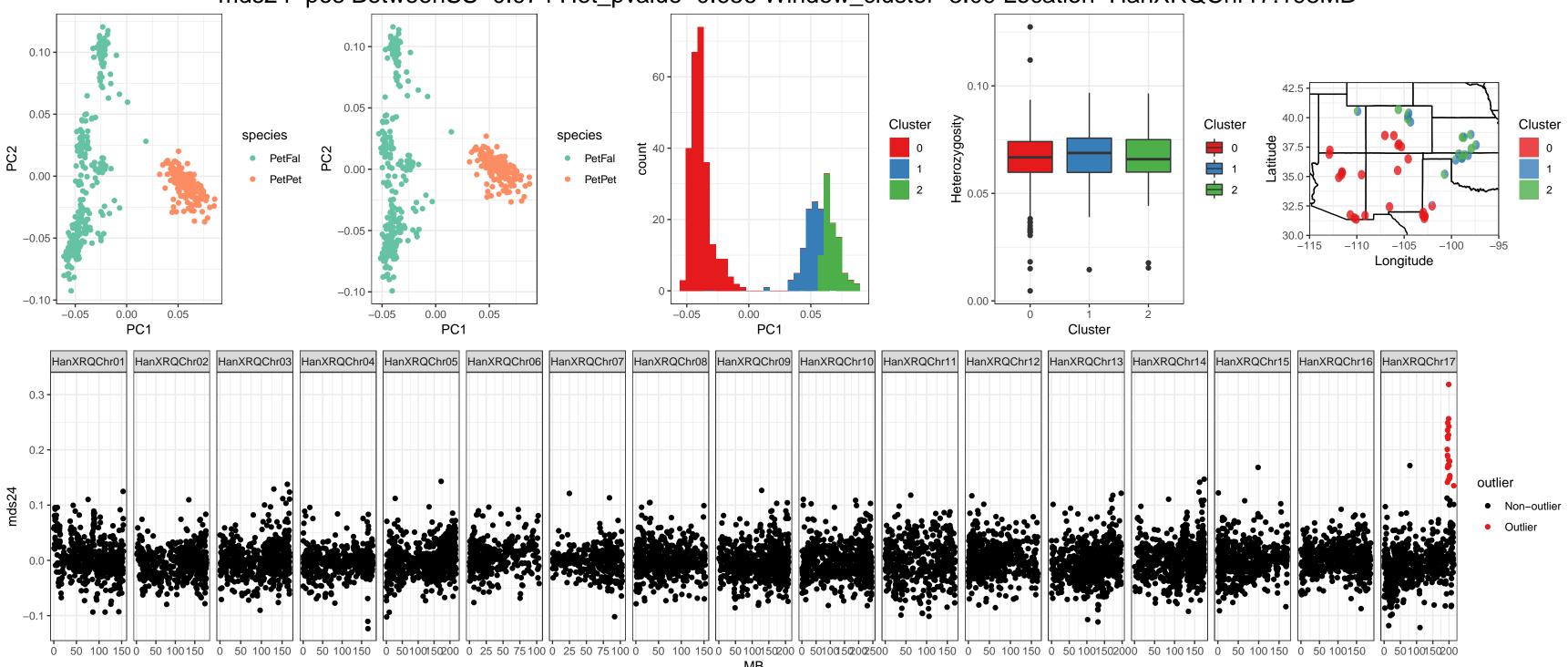
mds13-pos BetweenSS=0.996 Het_pvalue=0.527 Window_cluster=5.68 Location=HanXRQChr07:62MB



mds13-neg BetweenSS=0.983 Het_pvalue=0.56 Window_cluster=1.98 Location=HanXRQChr17:21MB 0.100 0.10 0.00 Cluster Cluster species species 0.00 -0.025 -110 -105 -0.10 **-**Longitude 0.00 -0.040.00 0.00 PC1 PC1 PC1 Cluster HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15

mds23-pos BetweenSS=0.975 Het_pvalue=NA Window_cluster=1.57 Location=HanXRQChr06:60MB 0.05 0.10 -Cluster Cluster species species PetPet 30.0 + -115 -0.10-110 -105 -100Longitude 0.00 0.04 -0.040.00 0.00 PC1 PC1 PC1 Cluster HanXRQChr04 HanXRQChr05 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09 HanXRQChr12 HanXRQChr13 HanXRQChr14 outlier mds23

mds24-pos BetweenSS=0.974 Het_pvalue=0.656 Window_cluster=3.09 Location=HanXRQChr17:198MB

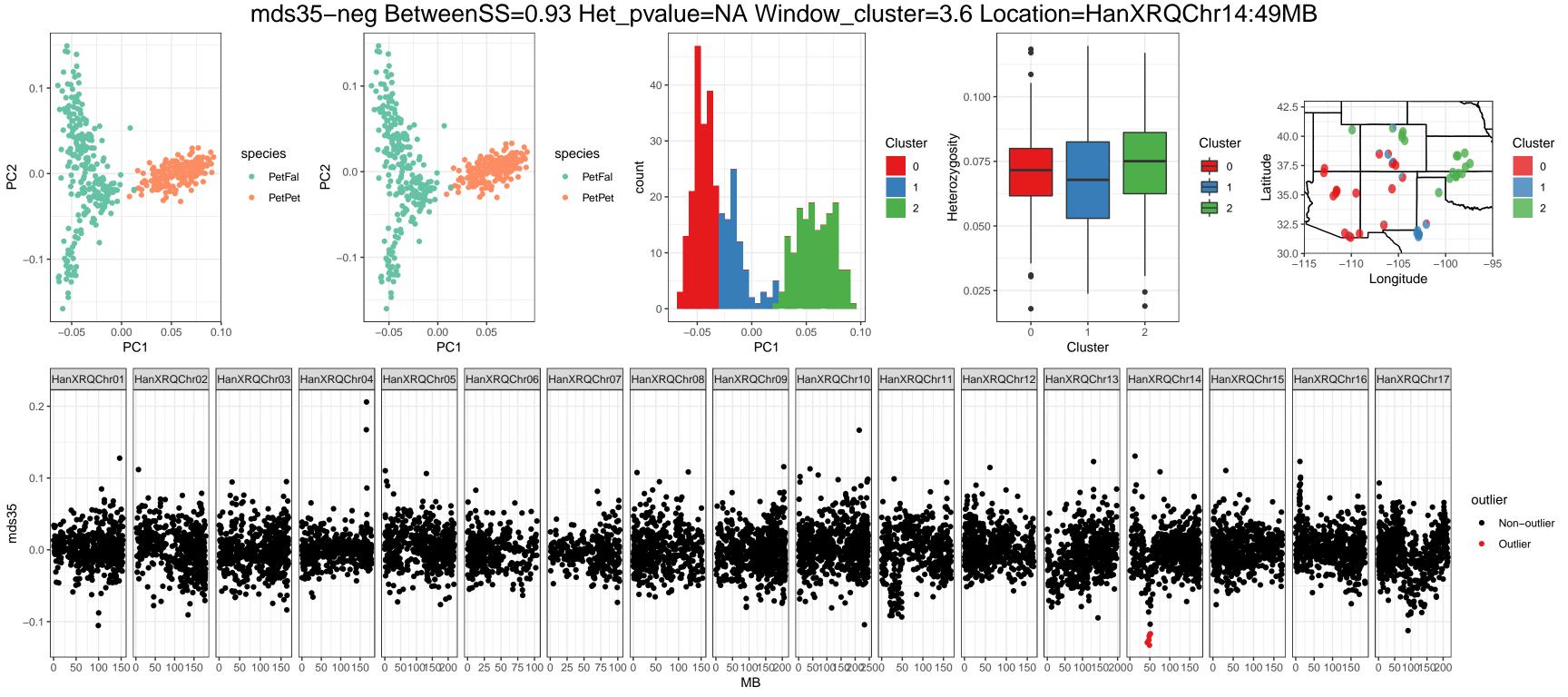


mds31-pos BetweenSS=0.974 Het_pvalue=0.00175 Window_cluster=3.35 Location=HanXRQChr02:72MB 0.10 0.10 Cluster Cluster species -110 -105 Longitude 0.00 0.05 0.00 PC1 PC1 PC1 Cluster HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 HanXRQChr08 HanXRQChr10 mds31

mds33-neg BetweenSS=0.942 Het_pvalue=NA Window_cluster=17.2 Location=HanXRQChr09:96MB 0.10 -Cluster Cluster species -110 Longitude -0.10 -0.050.00 0.00 PC1 PC1 PC1 Cluster

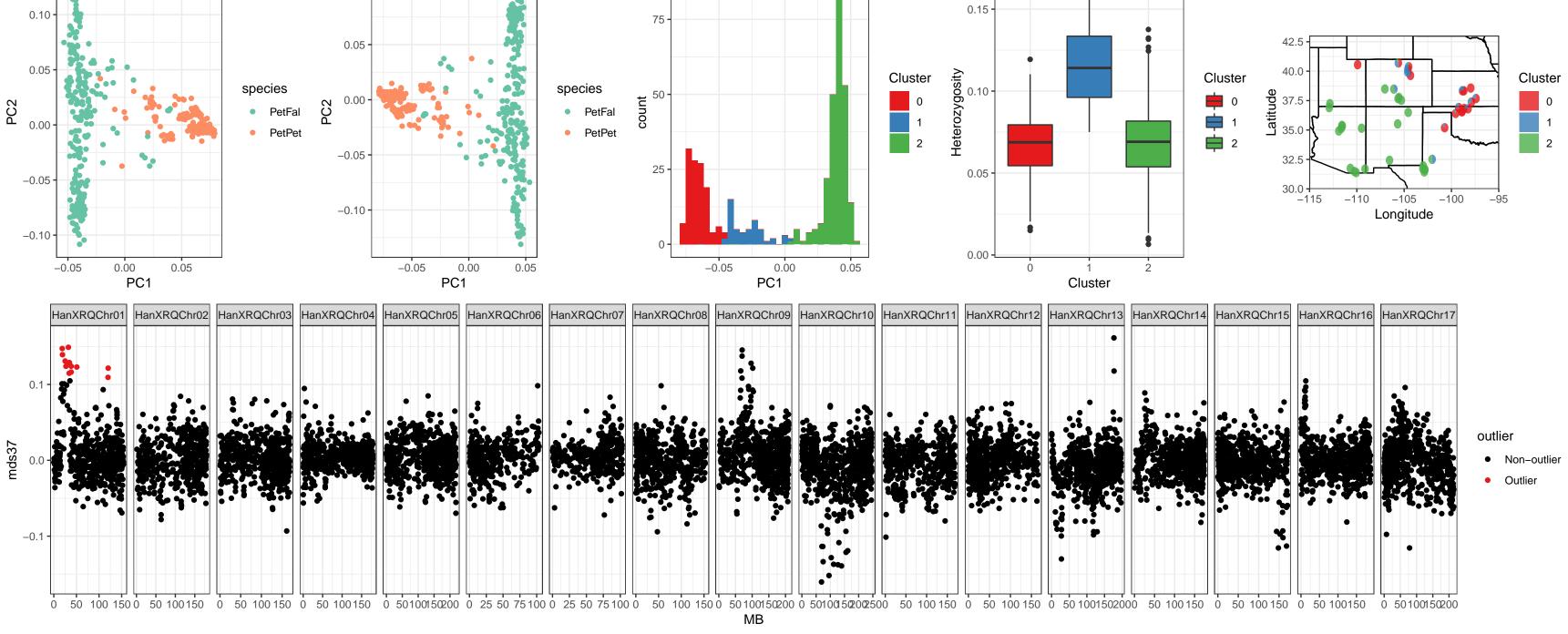
mds34-pos BetweenSS=0.926 Het_pvalue=NA Window_cluster=13.67 Location=HanXRQChr09:93MB Cluster Cluster species PetPet -110 -105 Longitude -0.10 -0.05 0.05 -0.050.00 0.00 PC1 PC1 PC1 Cluster

mds34-neg BetweenSS=0.981 Het_pvalue=NA Window_cluster=1.39 Location=HanXRQChr16:11MB 0.05 0.10 0.00 Cluster Cluster species species -115 -110 -105 -0.10 **-**Longitude -0.050-0.0250.000 0.025 0.050 0.075 -0.075-0.050-0.0250.000 0.025 0.050 0.00 PC1 PC1 Cluster PC1 HanXRQChr12 HanXRQChr13 HanXRQChr14



mds36-pos BetweenSS=0.973 Het_pvalue=0.394 Window_cluster=2.67 Location=HanXRQChr08:98MB 0.100 Cluster Cluster species PetPet -110 -105 Longitude 0.025 0.00 0.00 PC1 PC1 Cluster HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 HanXRQChr16 HanXRQChr17 HanXRQChr04 HanXRQChr05 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr10

mds37-pos BetweenSS=0.97 Het_pvalue=5.59e-20 Window_cluster=25.09 Location=HanXRQChr01:34MB 0.15 0.10 0.05 Cluster species PetPet 0.05 -110 -105 -0.10Longitude 0.00 -0.05PC1 PC1 PC1 Cluster HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15



mds37-neg BetweenSS=0.965 Het_pvalue=NA Window_cluster=15.82 Location=HanXRQChr10:108MB 0.10 Cluster Cluster species 30.0 -115 -110 Longitude -0.040.00 0.04 PC1 PC1 PC1 Cluster HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 HanXRQChr04 HanXRQChr05 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr09

mds38-pos BetweenSS=0.972 Het_pvalue=NA Window_cluster=3.21 Location=HanXRQChr17:56MB 0.100 0.05 Heterozygosity 0.020 Cluster Cluster species PetPet 30.0 -115 0.025 -110 -105 Longitude 0.00 0.04 0.00 0.00 PC1 PC1 PC1 Cluster HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 HanXRQChr05 HanXRQChr06 HanXRQChr07 HanXRQChr08 HanXRQChr10 HanXRQChr11

mds40-pos BetweenSS=0.959 Het_pvalue=NA Window_cluster=5.56 Location=HanXRQChr09:85MB 0.10 -Cluster Cluster species PetPet -110 -105 Longitude 0.00 0.00 0.00 PC1 PC1 PC1 Cluster HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15 HanXRQChr05 HanXRQChr06 HanXRQChr07 HanXRQChr08

mds40-neg BetweenSS=0.922 Het_pvalue=NA Window_cluster=3 Location=HanXRQChr14:49MB 0.100 Cluster Cluster species 30.0 -115 -110 -105 Longitude 0.025 -0.050.00 -0.05 0.00 PC1 PC1 PC1 Cluster HanXRQChr11 HanXRQChr12 HanXRQChr13 HanXRQChr14 HanXRQChr15