mds03–pos BetweenSS=0.989 Het_pvalue=3.91e−22 Window_cluster=4.49 Location=HanXRQChr11:62MB
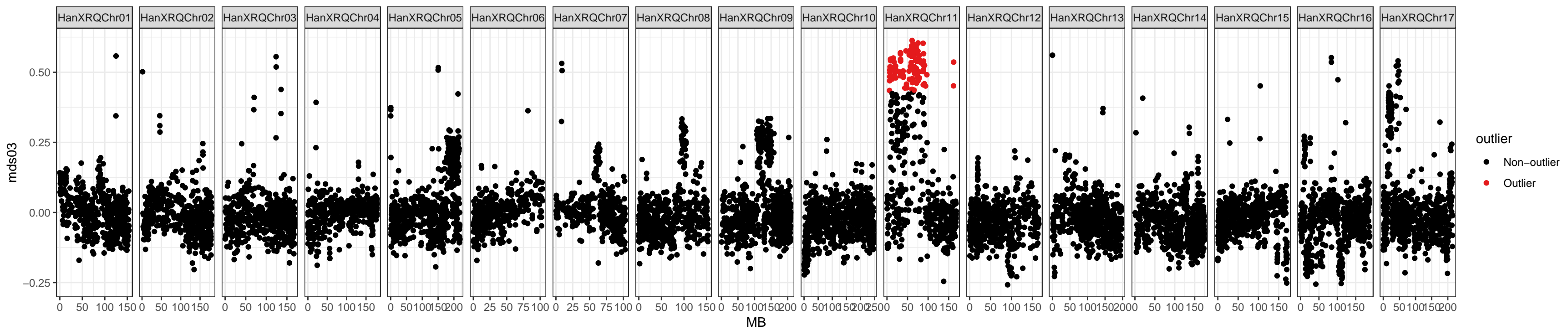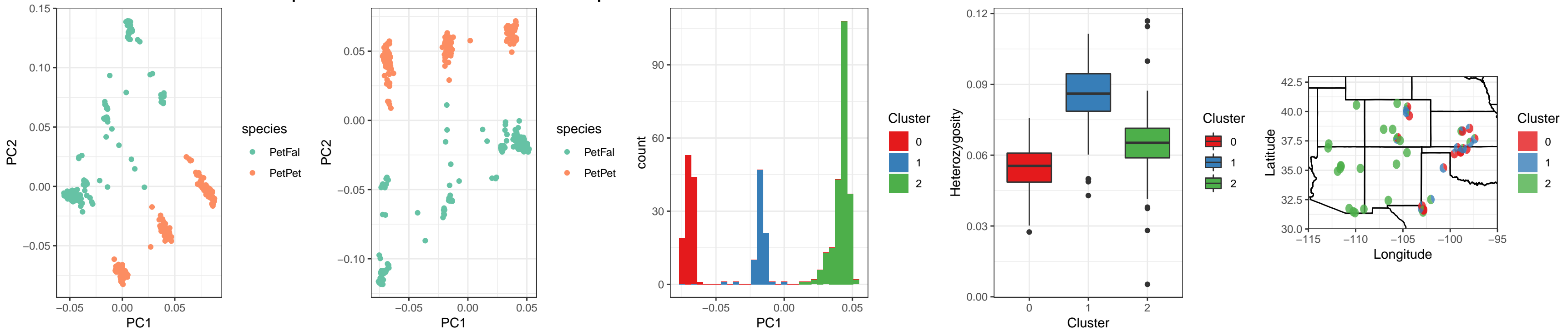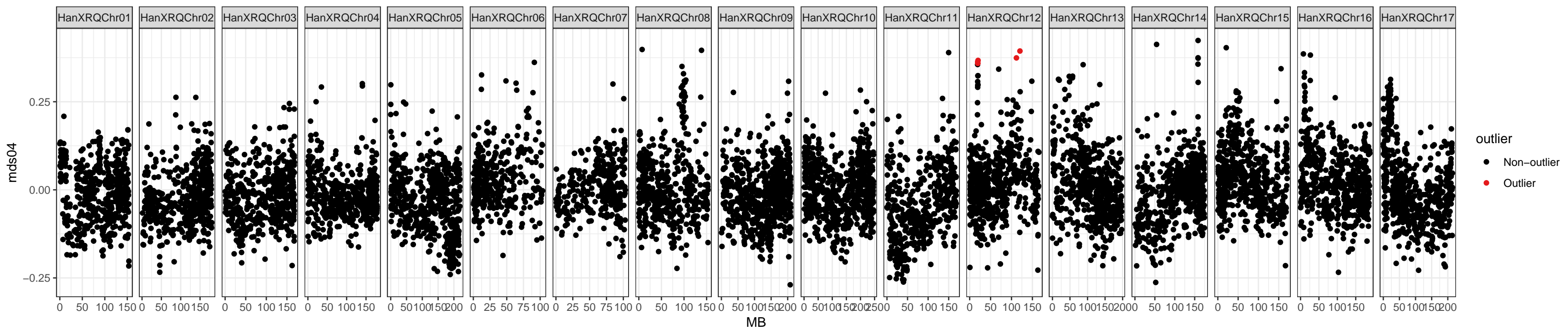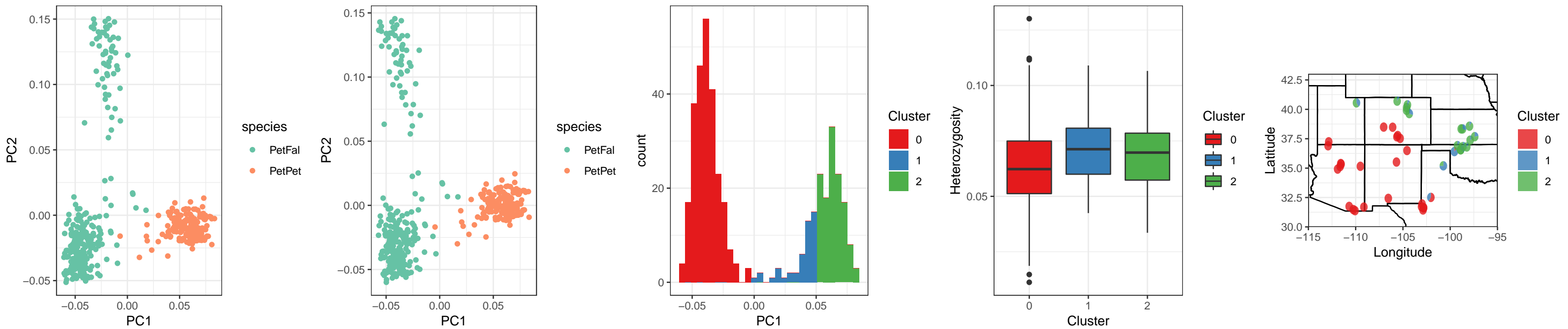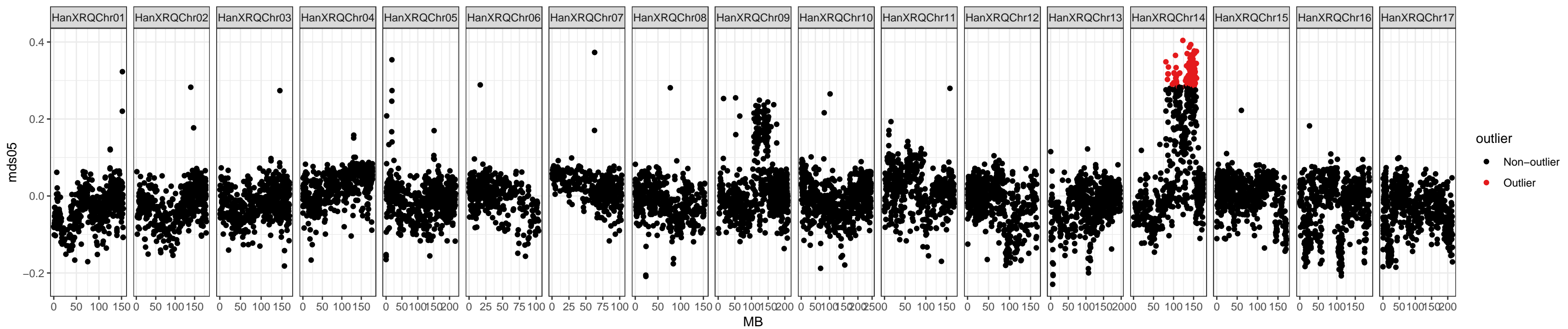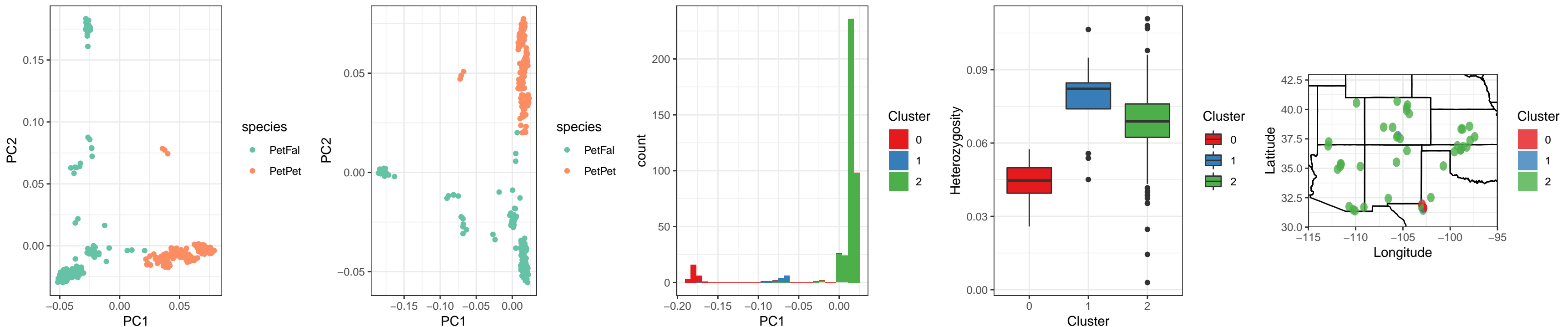
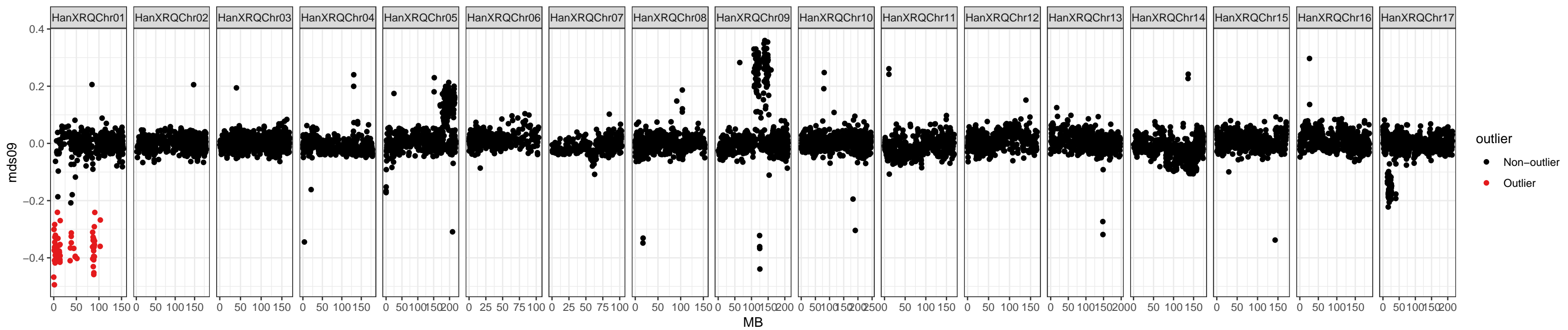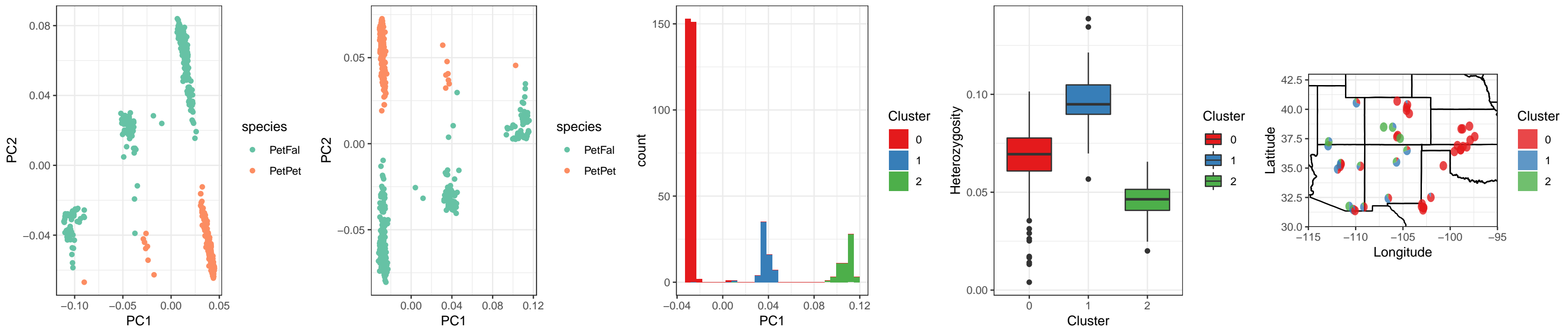mds04–pos BetweenSS=0.961 Het_pvalue=0.771 Window_cluster=67.8 Location=HanXRQChr12:20MB
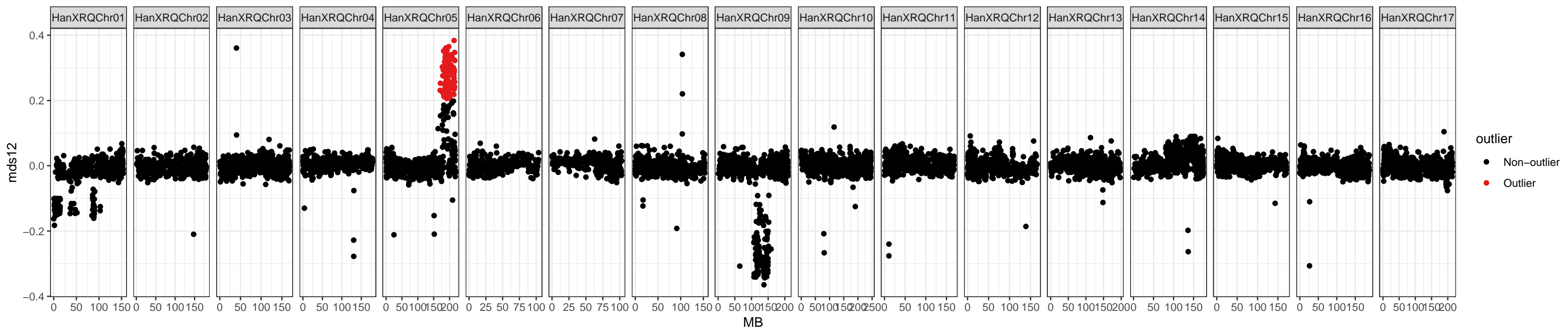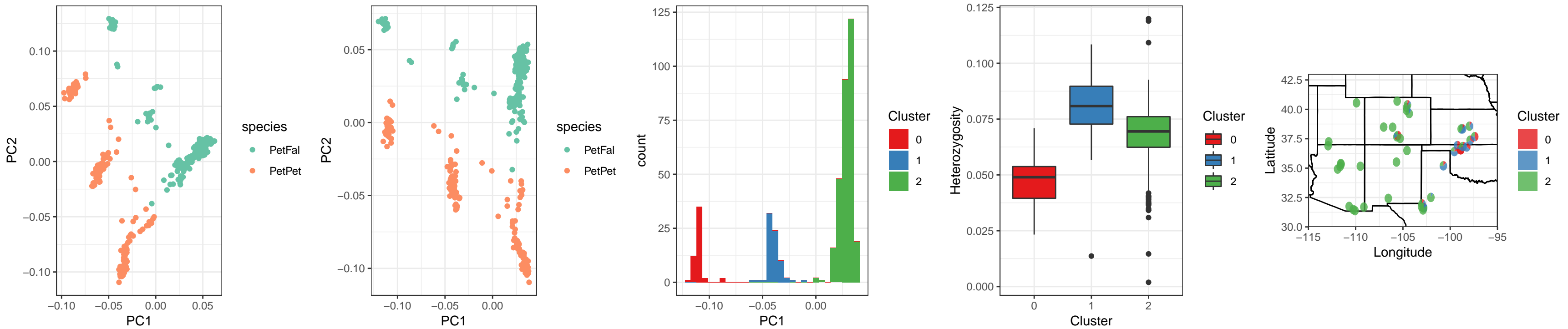
mds05-pos BetweenSS=0.985 Het_pvalue=0.0608 Window_cluster=3.32 Location=HanXRQChr14:142MB
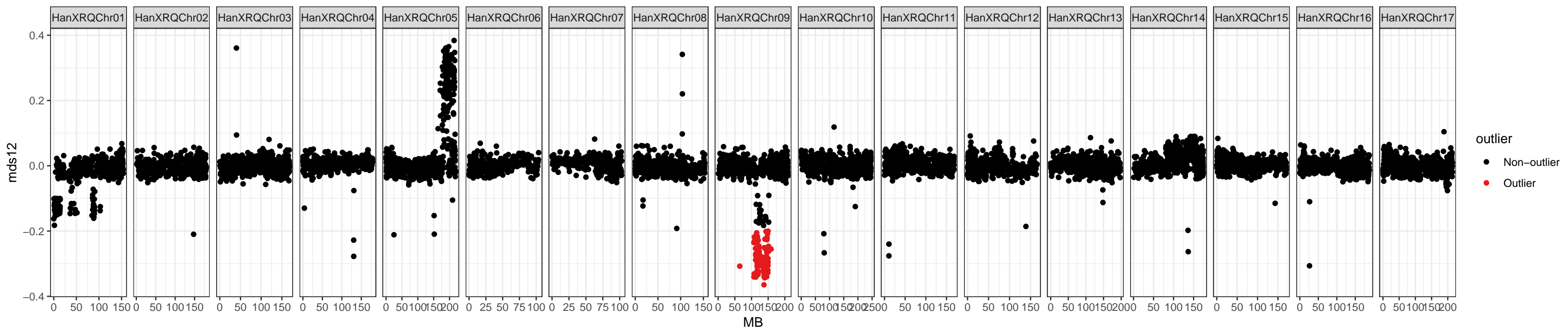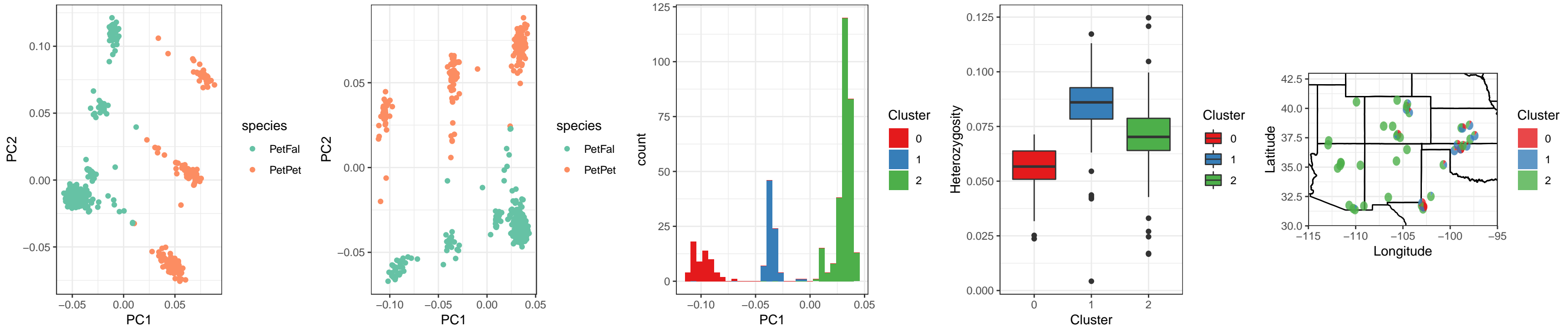
mds09−neg BetweenSS=0.995 Het_pvalue=1.34e−26 Window_cluster=4.11 Location=HanXRQChr01:38MB
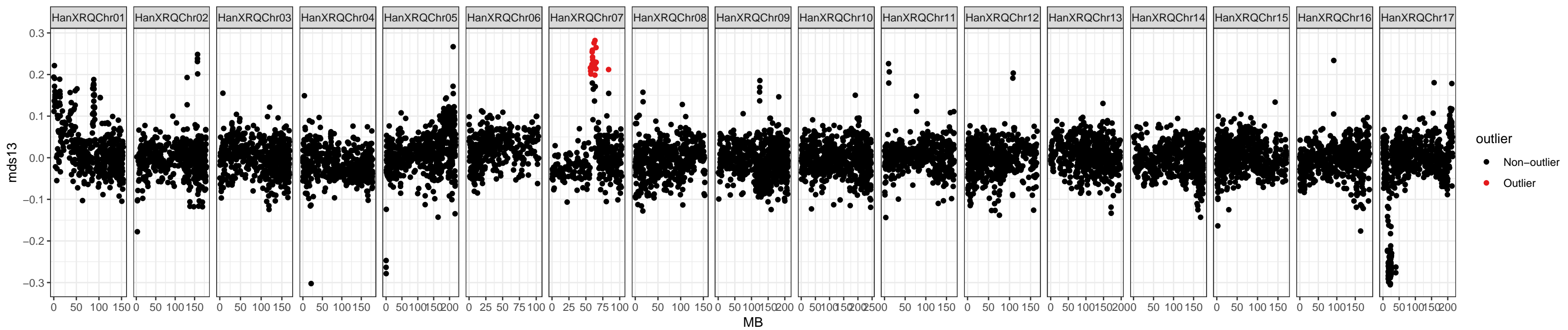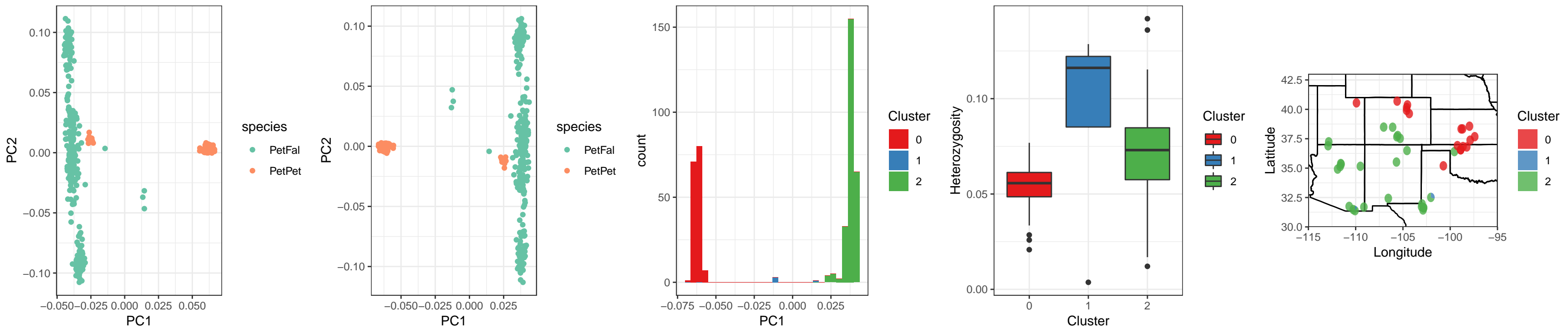
mds12−pos BetweenSS=0.986 Het_pvalue=2.33e−10 Window_cluster=1.9 Location=HanXRQChr05:194MB
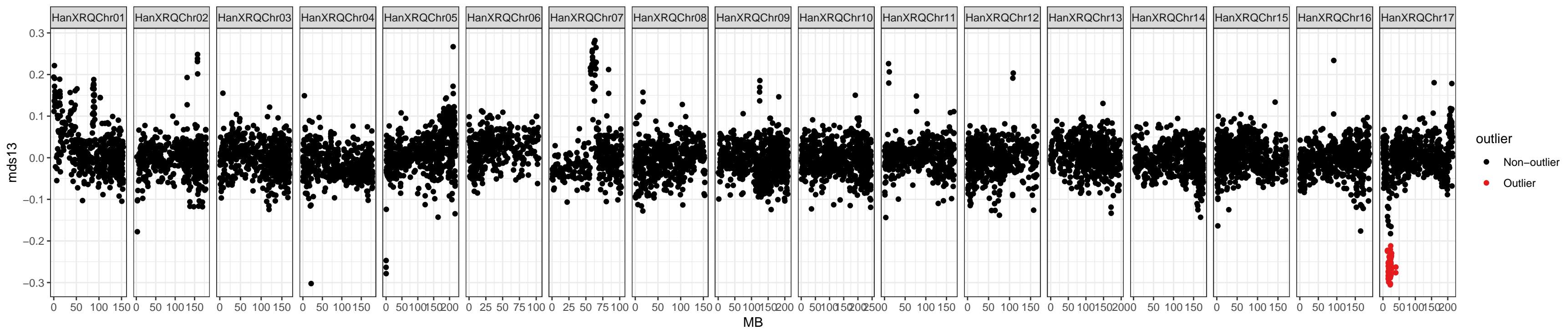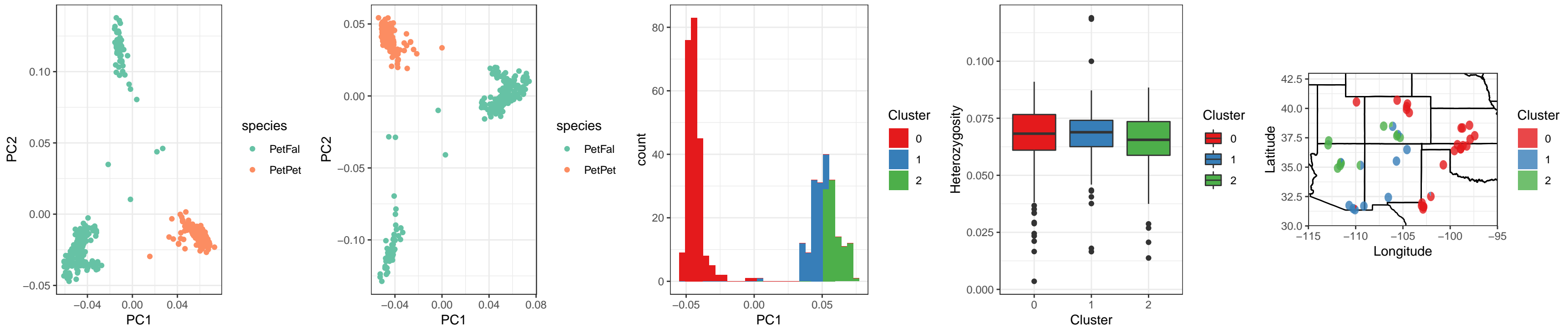
mds12−neg BetweenSS=0.979 Het_pvalue=3.92e−10 Window_cluster=3.28 Location=HanXRQChr09:137MB
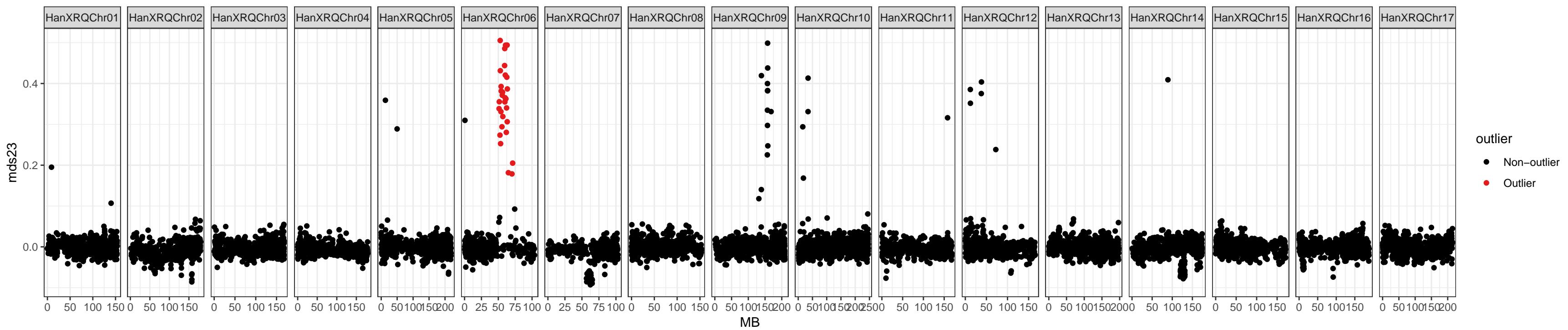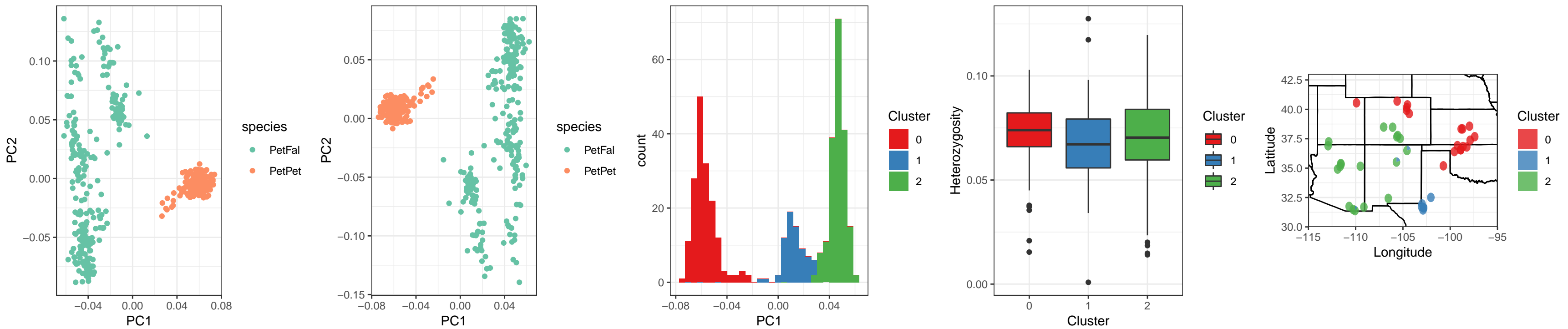
mds13-pos BetweenSS=0.996 Het_pvalue=0.527 Window_cluster=5.68 Location=HanXRQChr07:62MB
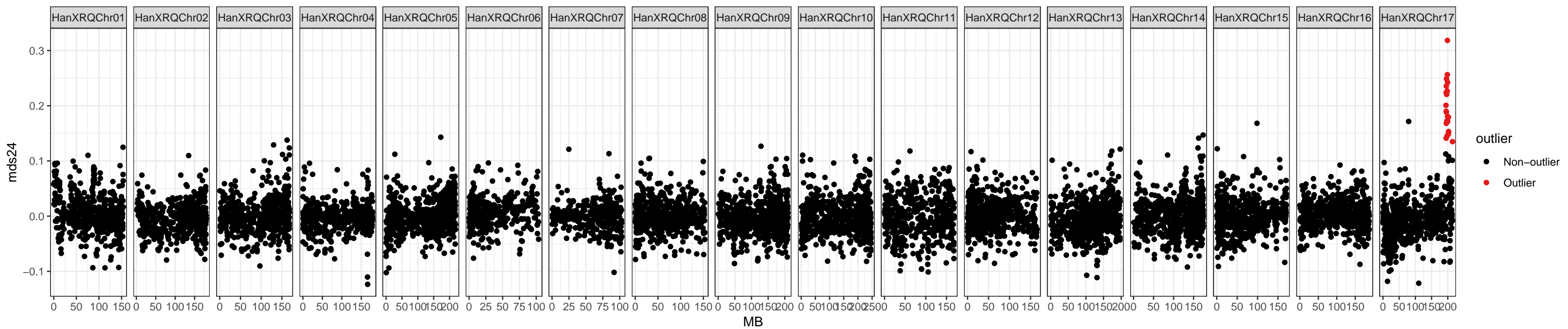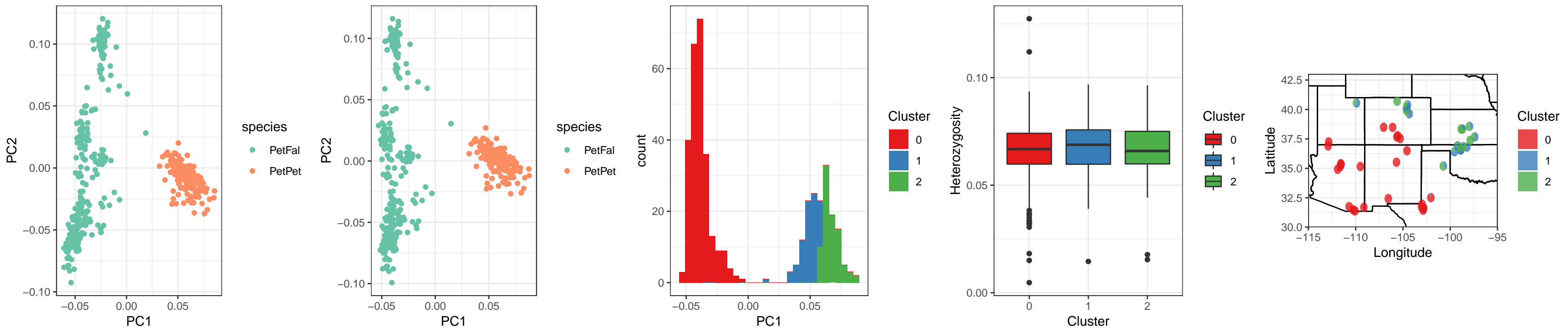
mds13−neg BetweenSS=0.983 Het_pvalue=0.56 Window_cluster=1.98 Location=HanXRQChr17:21MB
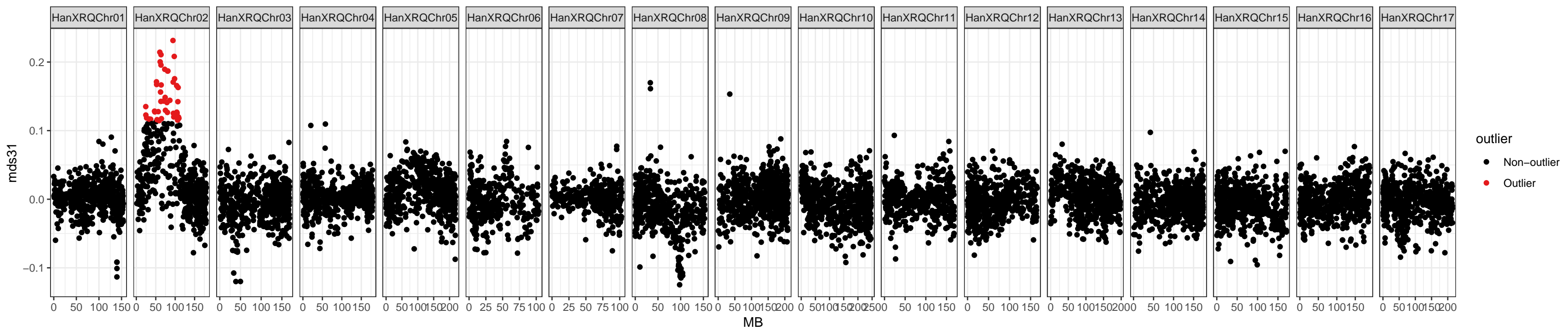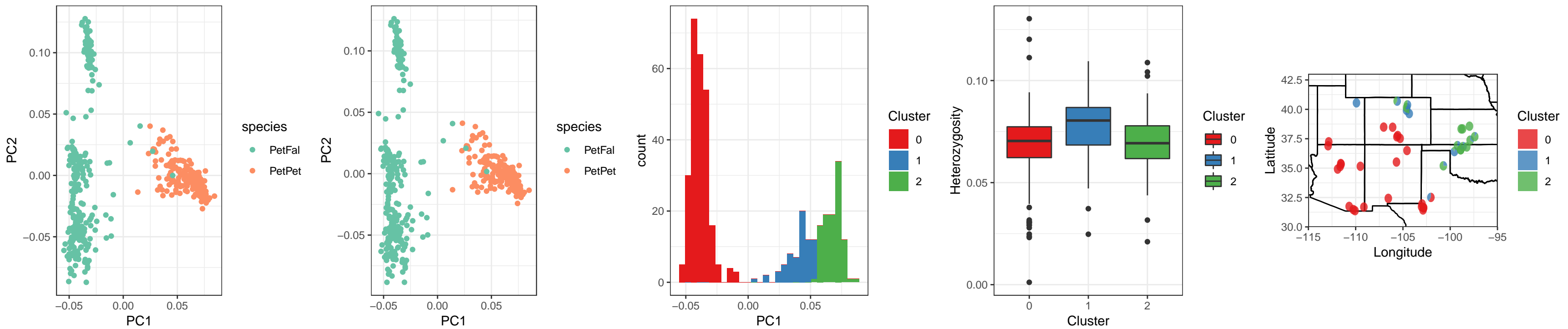
mds23−pos BetweenSS=0.975 Het_pvalue=NA Window_cluster=1.57 Location=HanXRQChr06:60MB
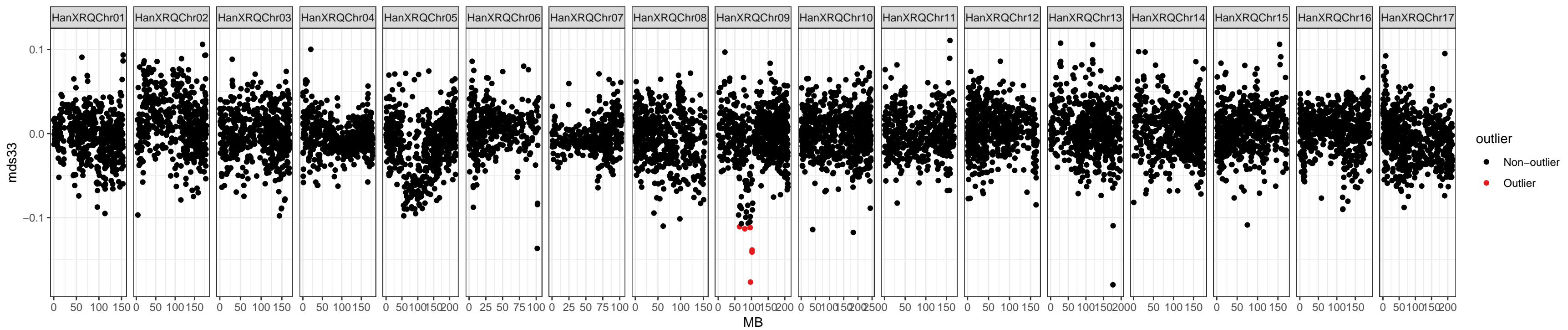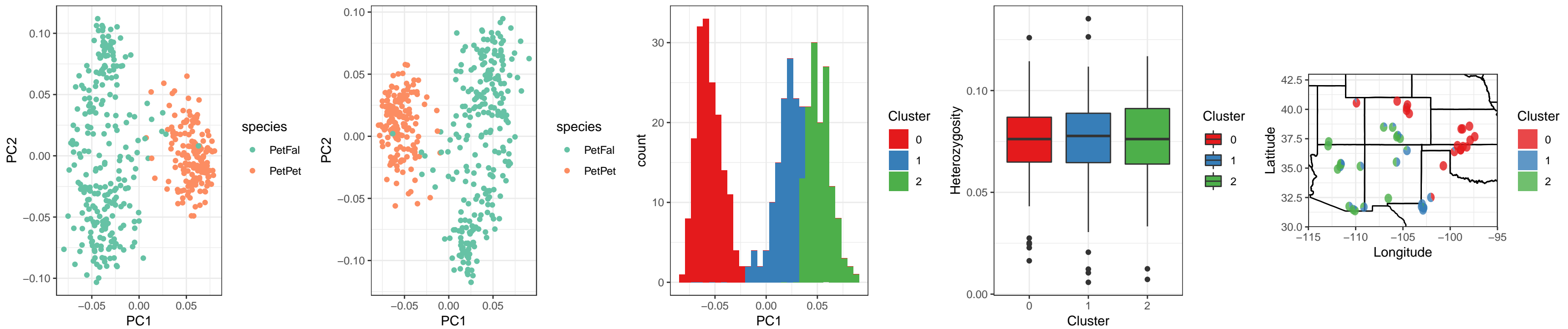
mds24−pos BetweenSS=0.974 Het_pvalue=0.656 Window_cluster=3.09 Location=HanXRQChr17:198MB
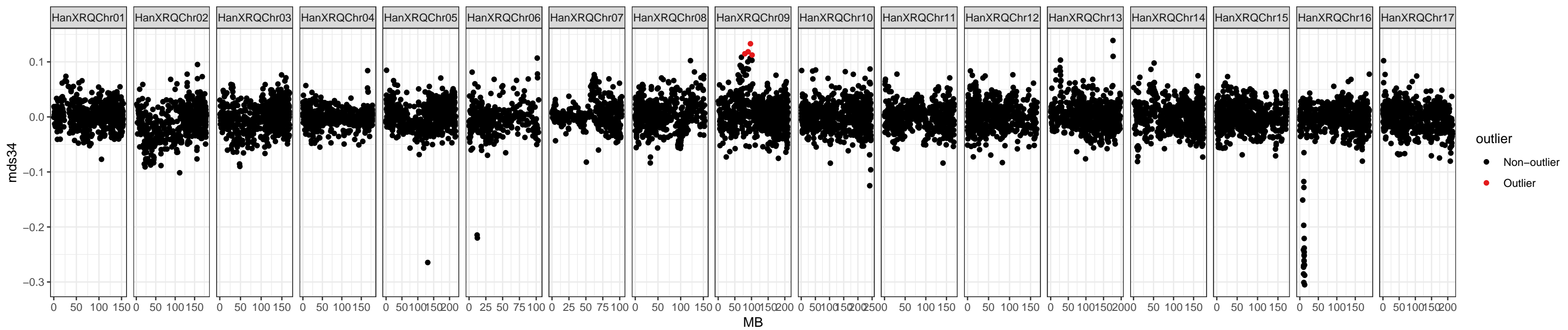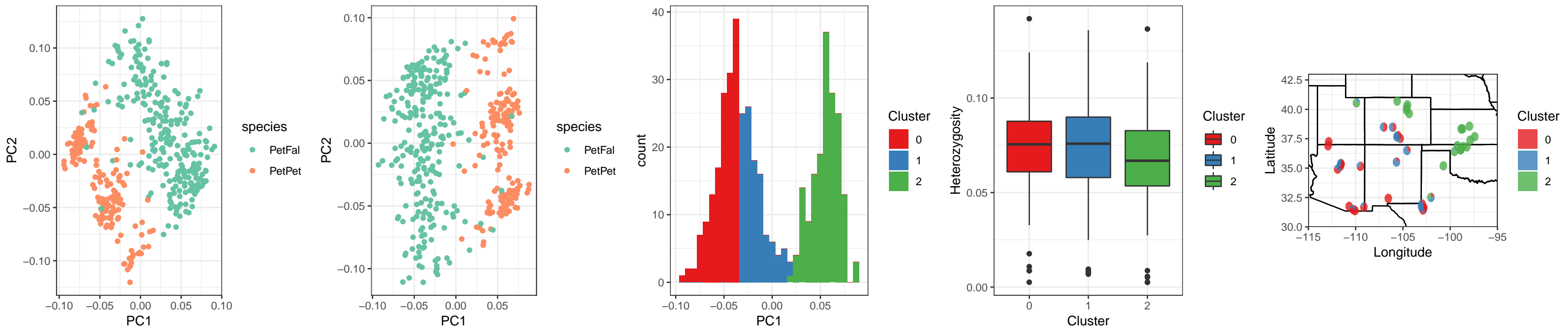
mds31−pos BetweenSS=0.974 Het_pvalue=0.00175 Window_cluster=3.35 Location=HanXRQChr02:72MB
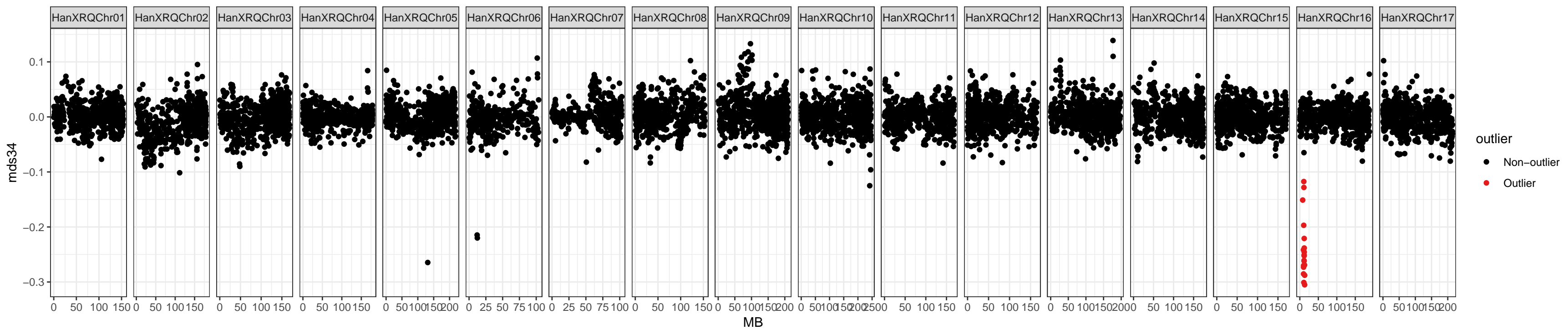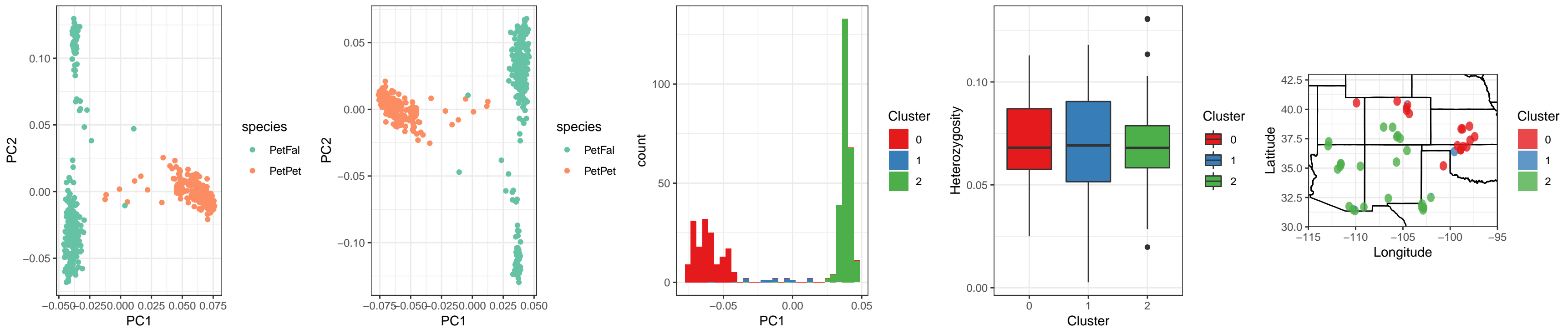
mds33−neg BetweenSS=0.942 Het_pvalue=NA Window_cluster=17.2 Location=HanXRQChr09:96MB
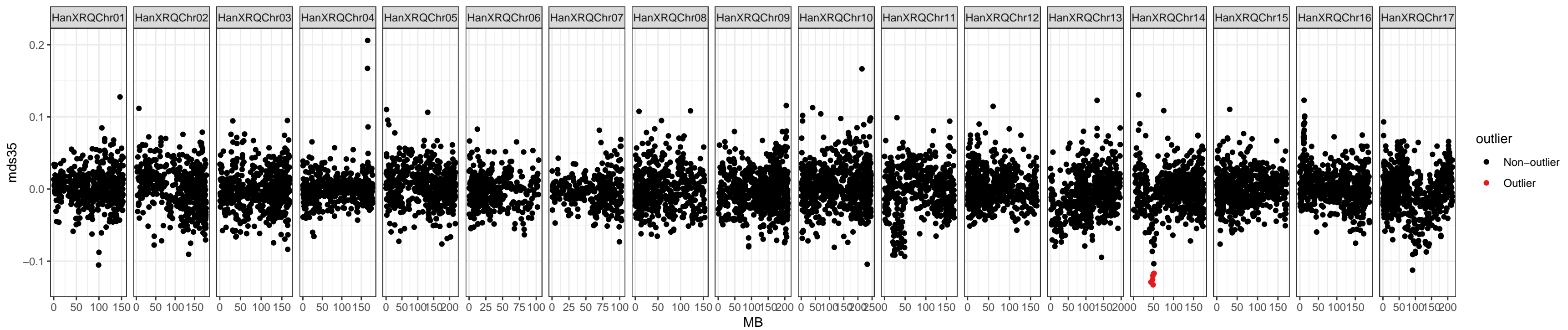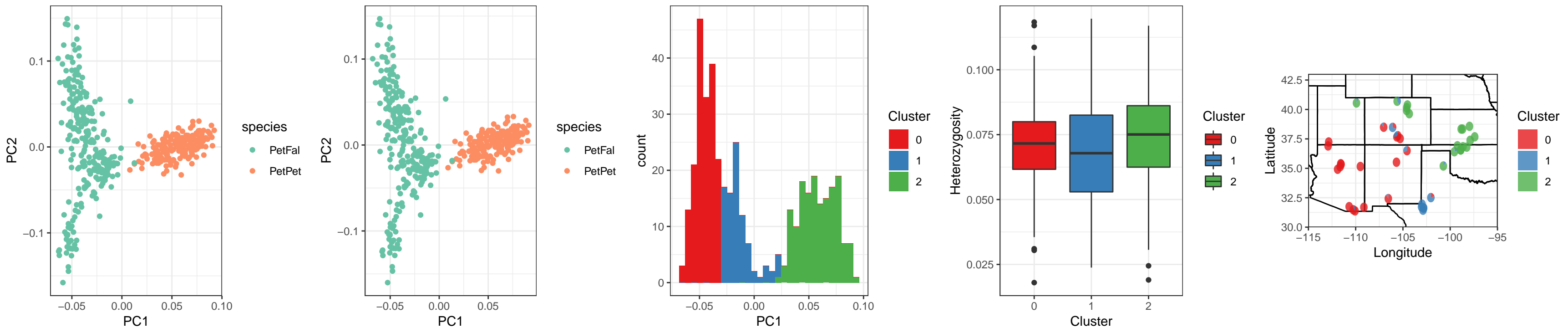
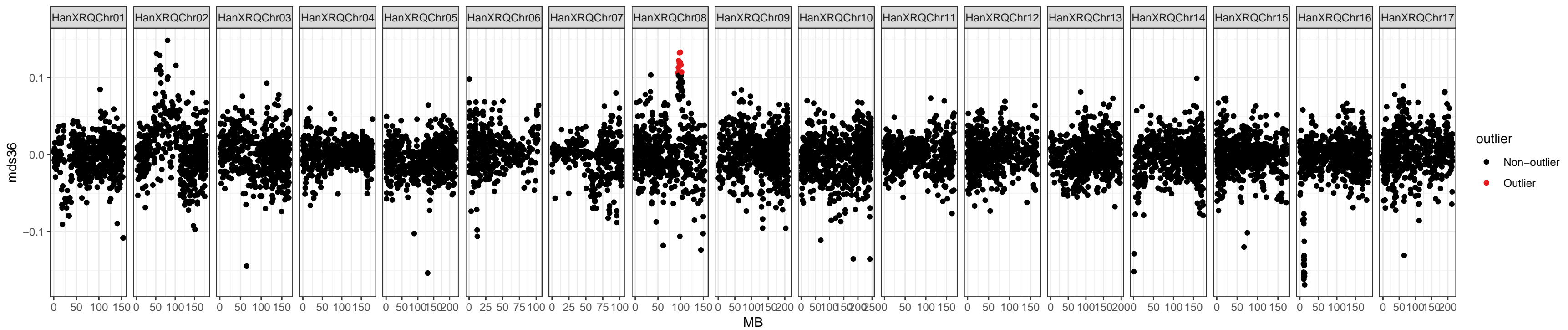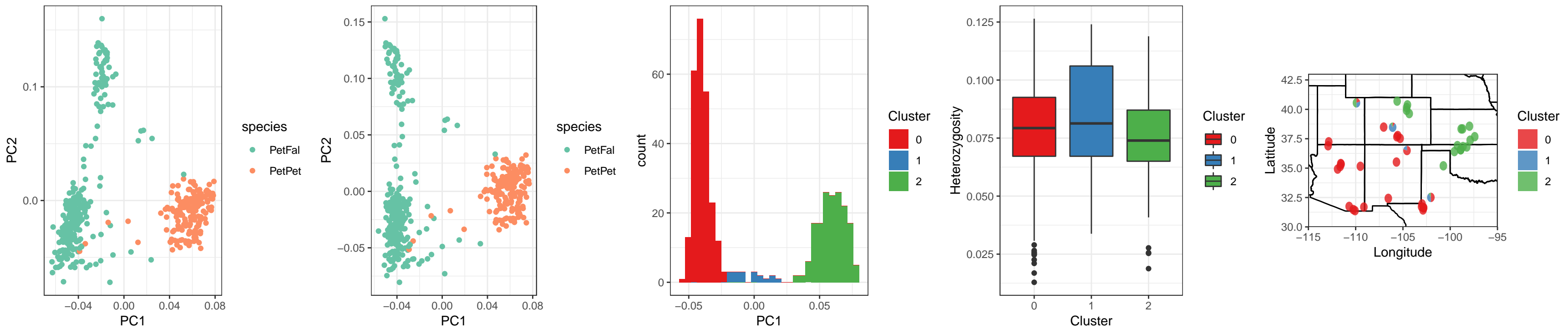mds34–pos BetweenSS=0.926 Het_pvalue=NA Window_cluster=13.67 Location=HanXRQChr09:93MB

mds34−neg BetweenSS=0.981 Het_pvalue=NA Window_cluster=1.39 Location=HanXRQChr16:11MB
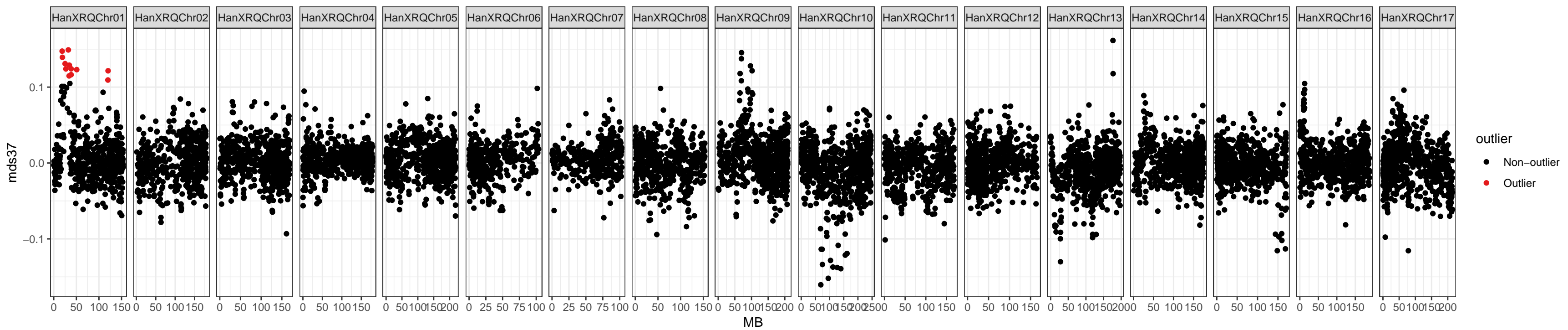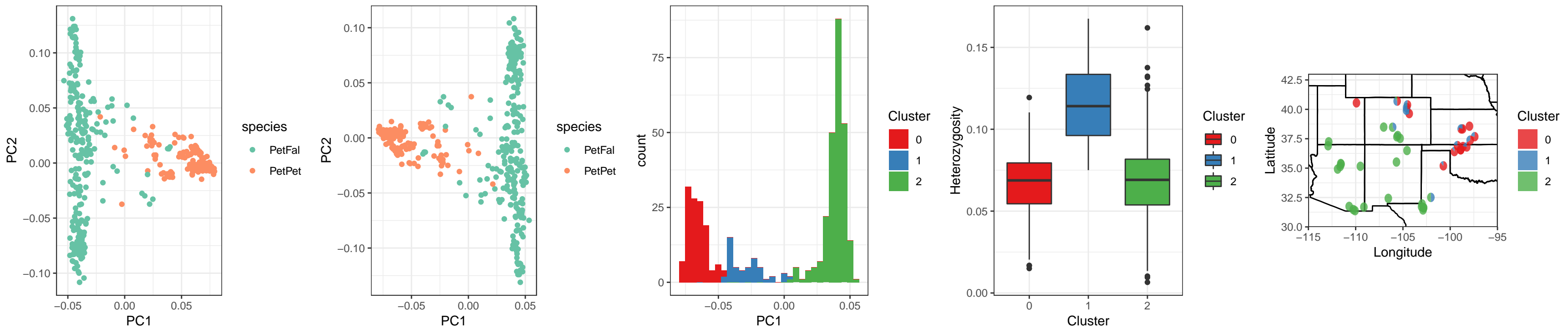
mds35−neg BetweenSS=0.93 Het_pvalue=NA Window_cluster=3.6 Location=HanXRQChr14:49MB
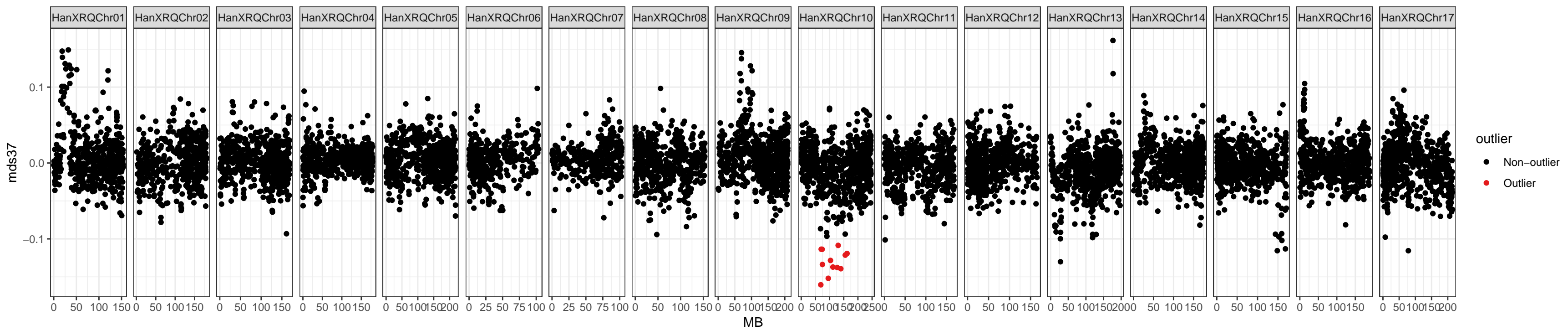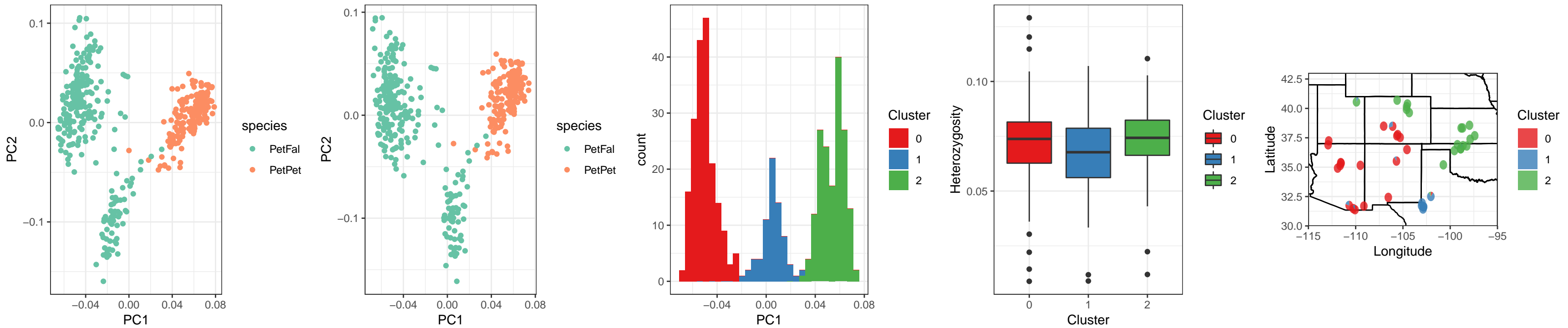
mds36−pos BetweenSS=0.973 Het_pvalue=0.394 Window_cluster=2.67 Location=HanXRQChr08:98MB
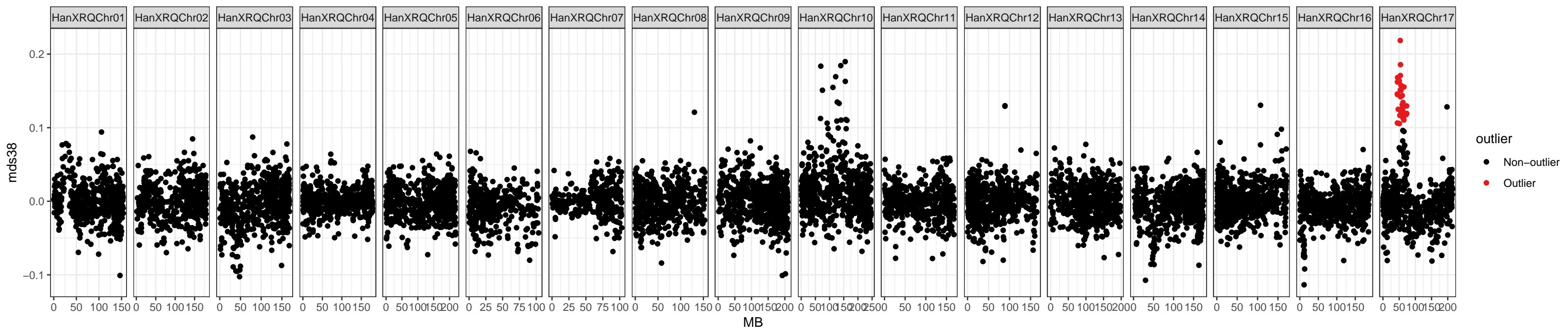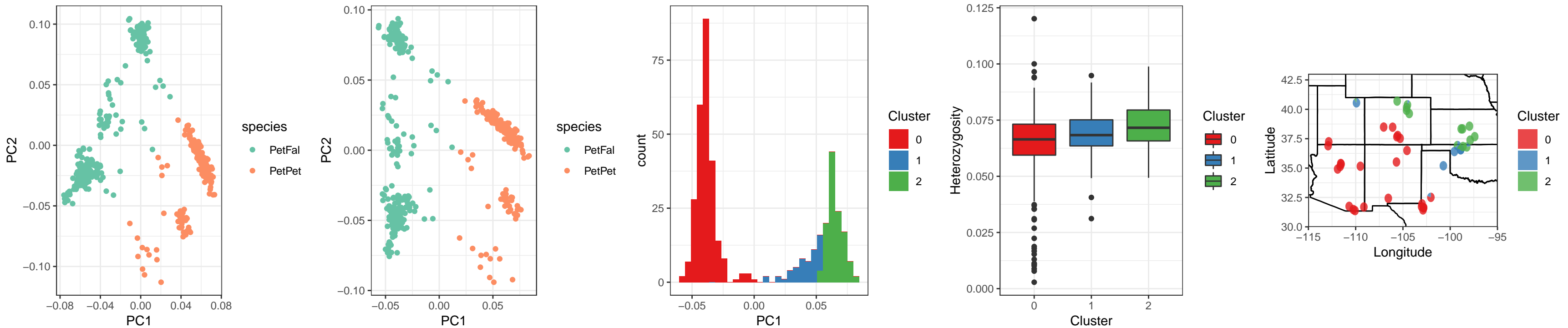
mds37−pos BetweenSS=0.97 Het_pvalue=5.59e−20 Window_cluster=25.09 Location=HanXRQChr01:34MB
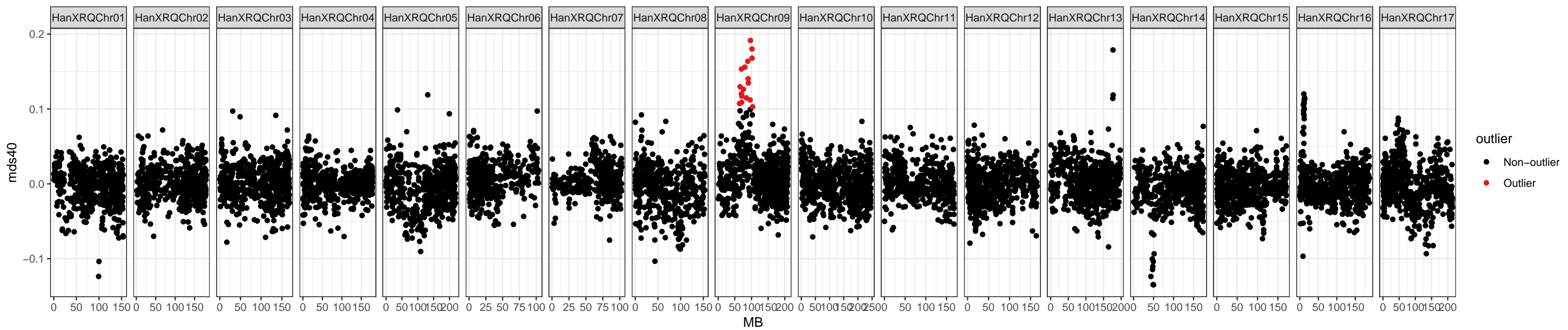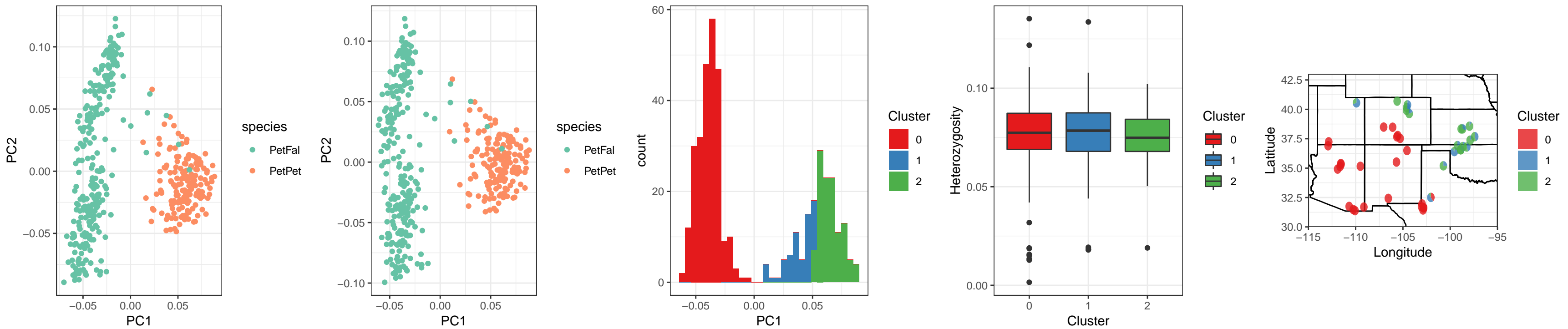
mds37−neg BetweenSS=0.965 Het_pvalue=NA Window_cluster=15.82 Location=HanXRQChr10:108MB

mds38–pos BetweenSS=0.972 Het_pvalue=NA Window_cluster=3.21 Location=HanXRQChr17:56MB

mds40–pos BetweenSS=0.959 Het_pvalue=NA Window_cluster=5.56 Location=HanXRQChr09:85MB

mds40−neg BetweenSS=0.922 Het_pvalue=NA Window_cluster=3 Location=HanXRQChr14:49MB