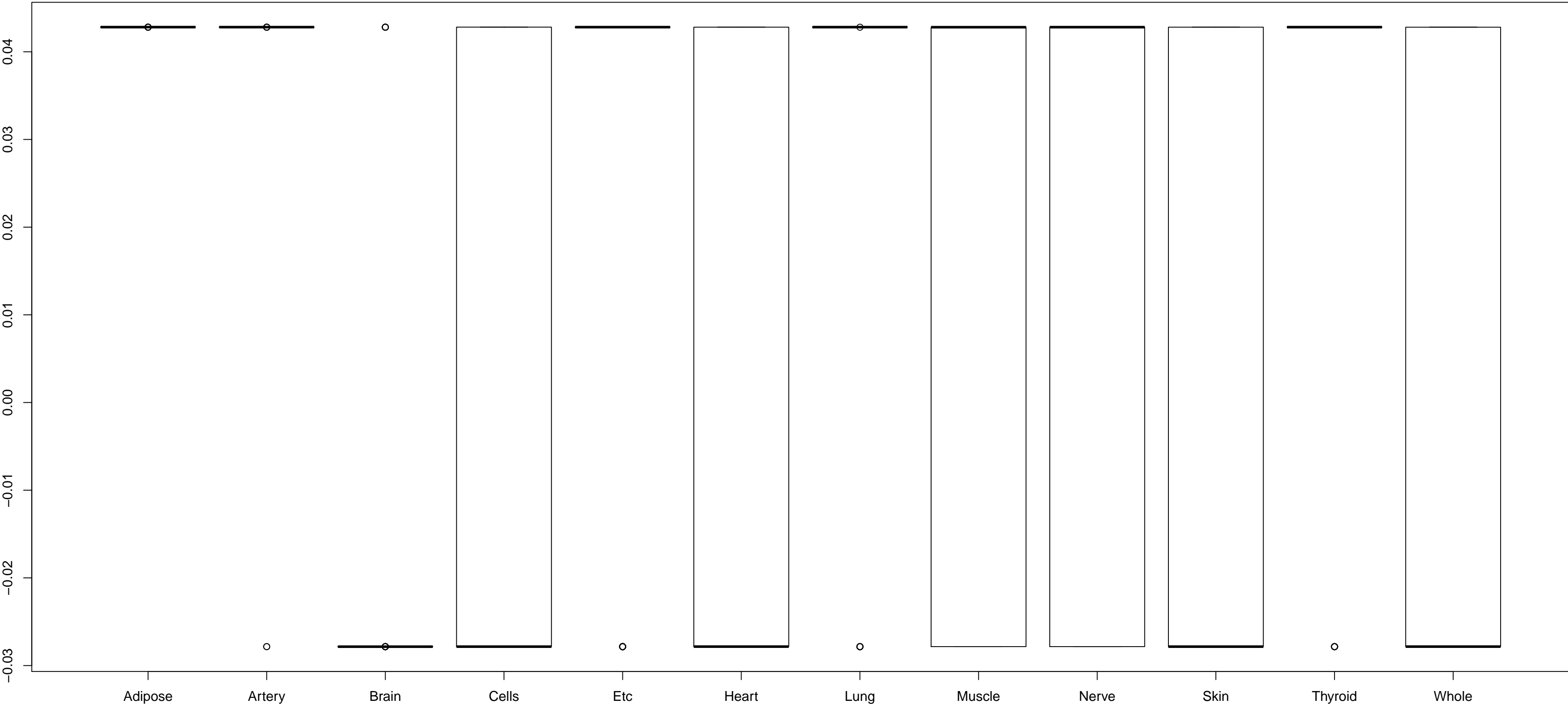
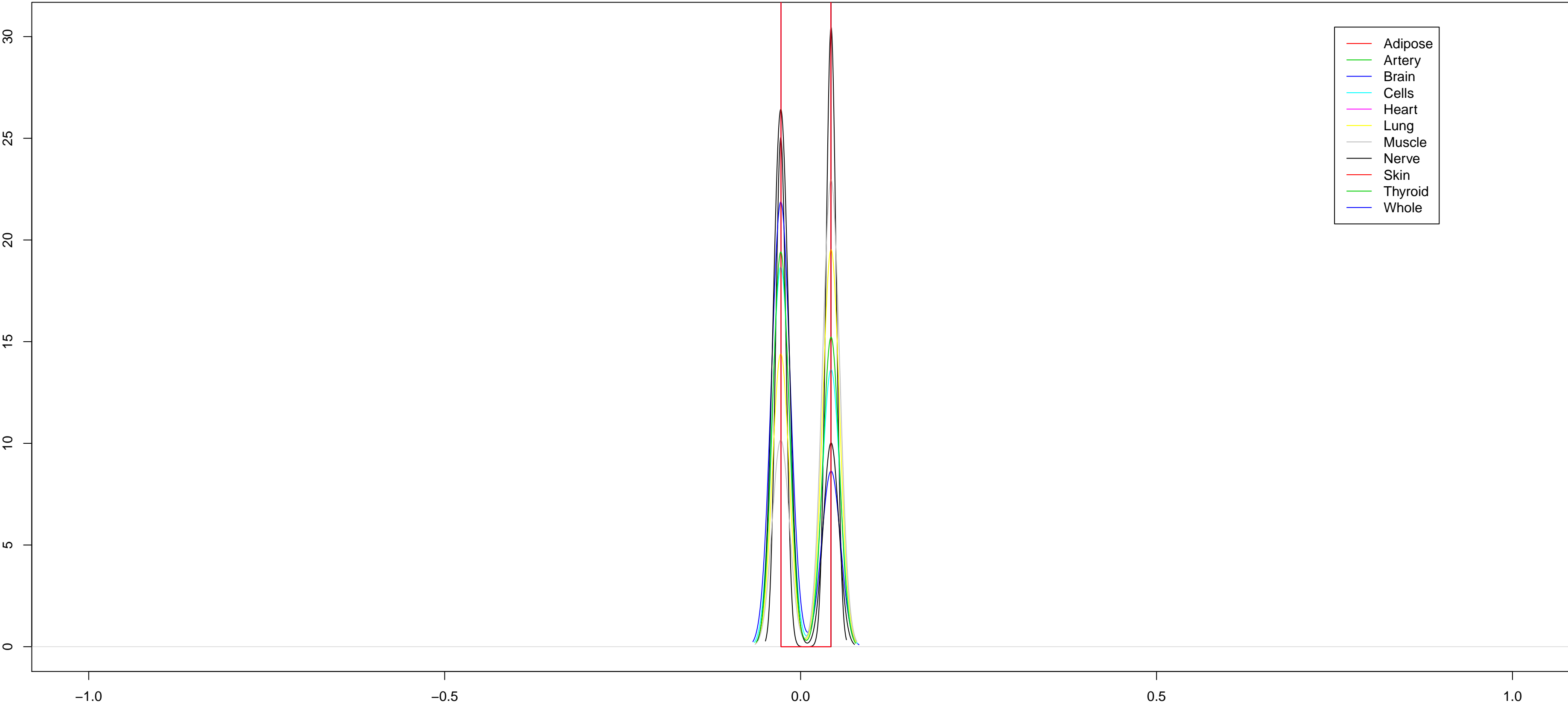


Autophosphorylation\_of\_insulin\_receptor

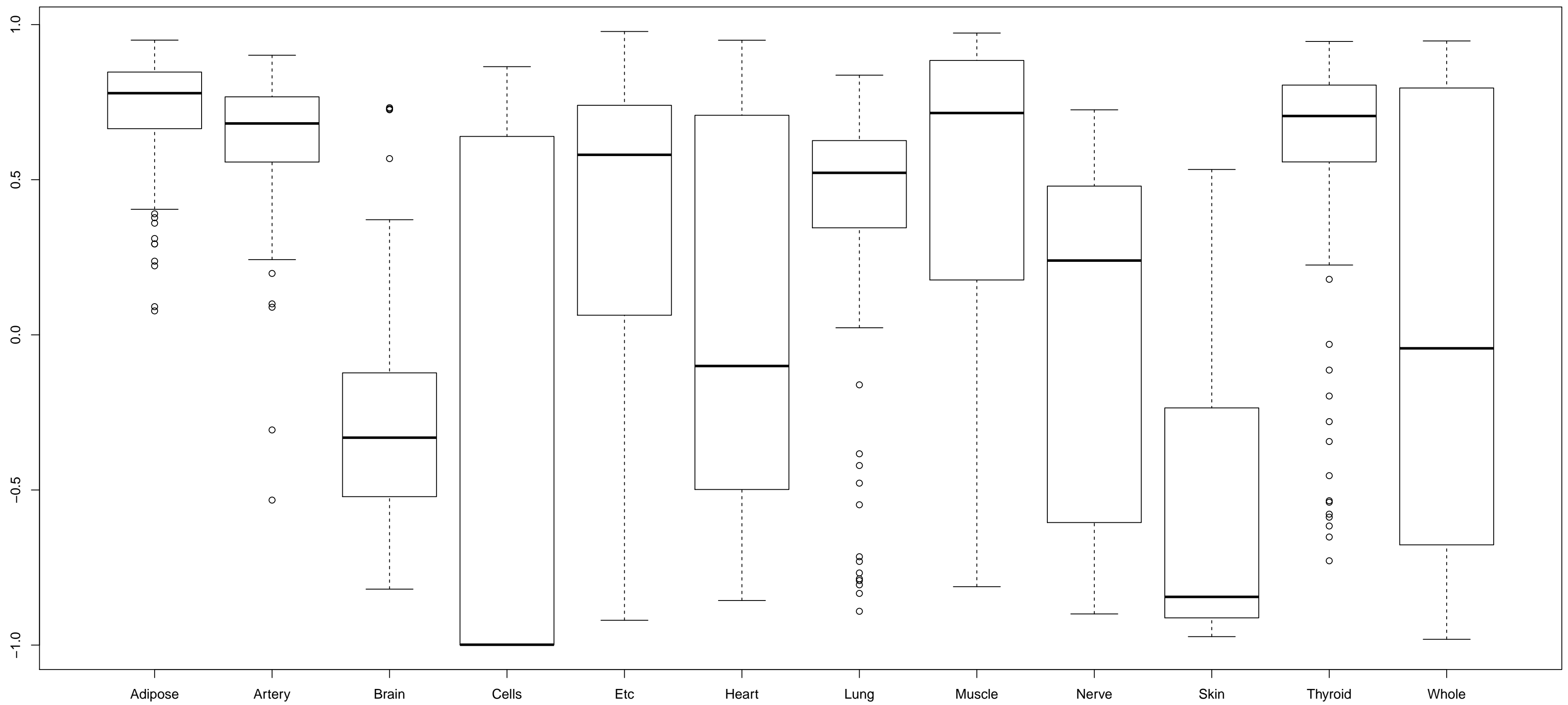


Autophosphorylation\_of\_insulin\_receptor

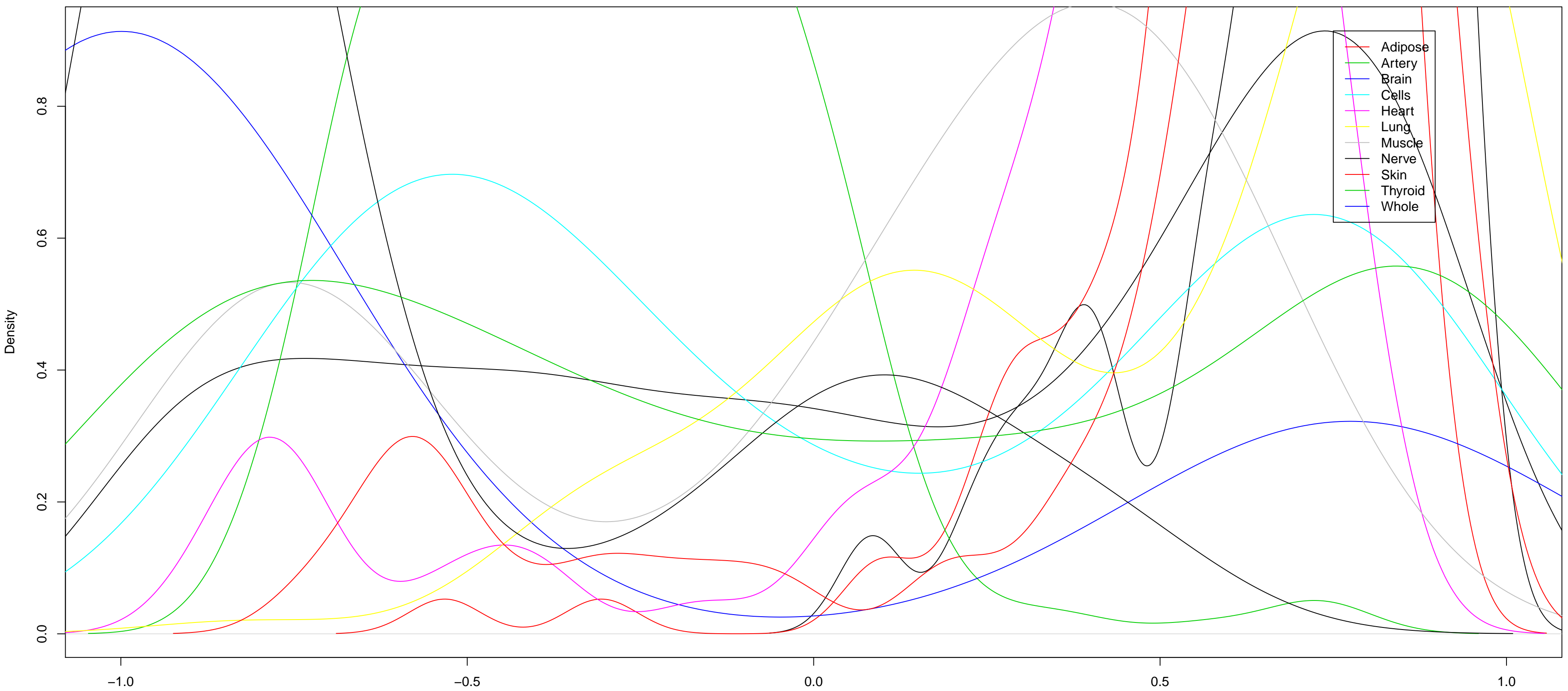


N = 1660 Bandwidth = 0.007184  
p-value(ANNOVA): 0 p-value(Kruskal): 0

Binding\_of\_Grb10\_to\_the\_insulin\_receptor

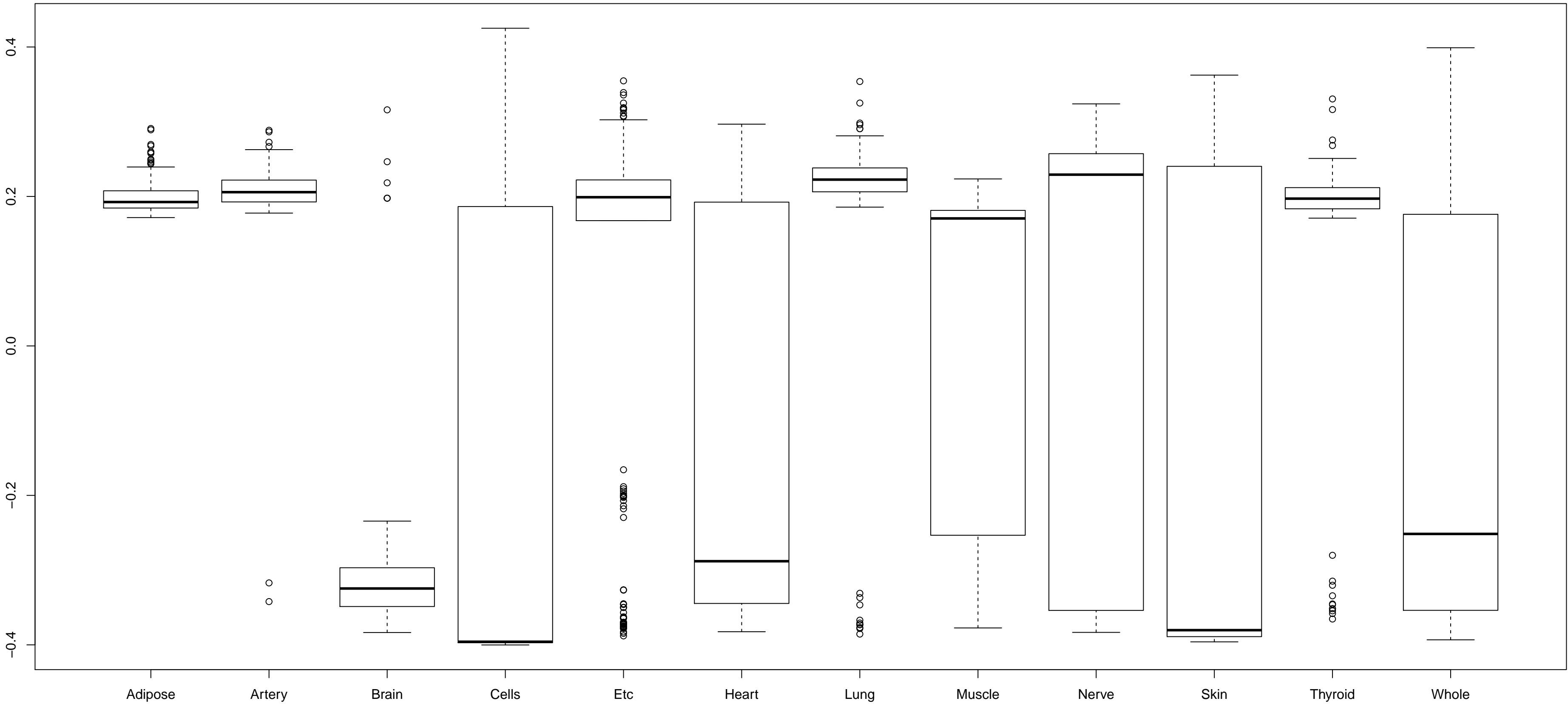


Binding\_of\_Grb10\_to\_the\_insulin\_receptor

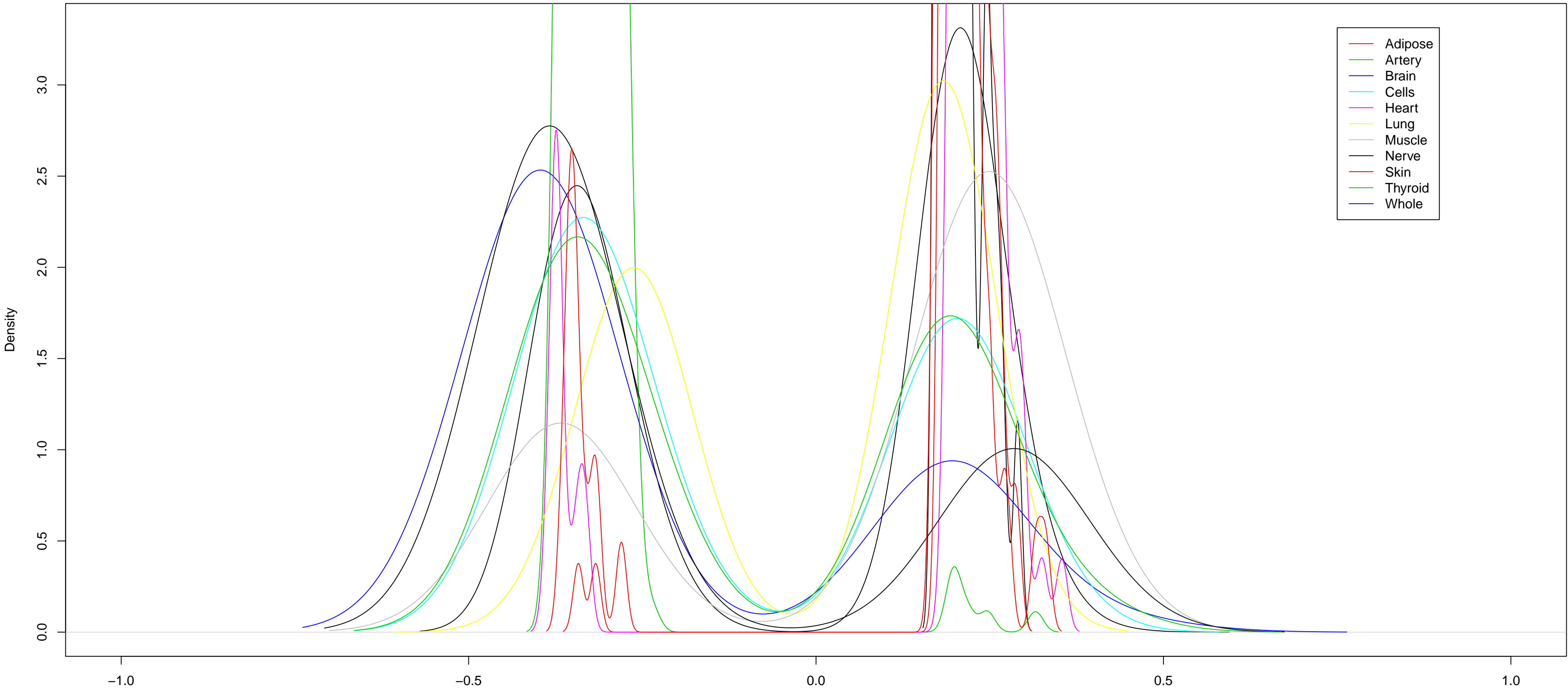


N = 1660 Bandwidth = 0.1271  
p-value(ANNOVA): 1.89662445866425e-215 p-value(Kruskal): 0

Binding\_of\_IRS\_to\_insulin\_receptor

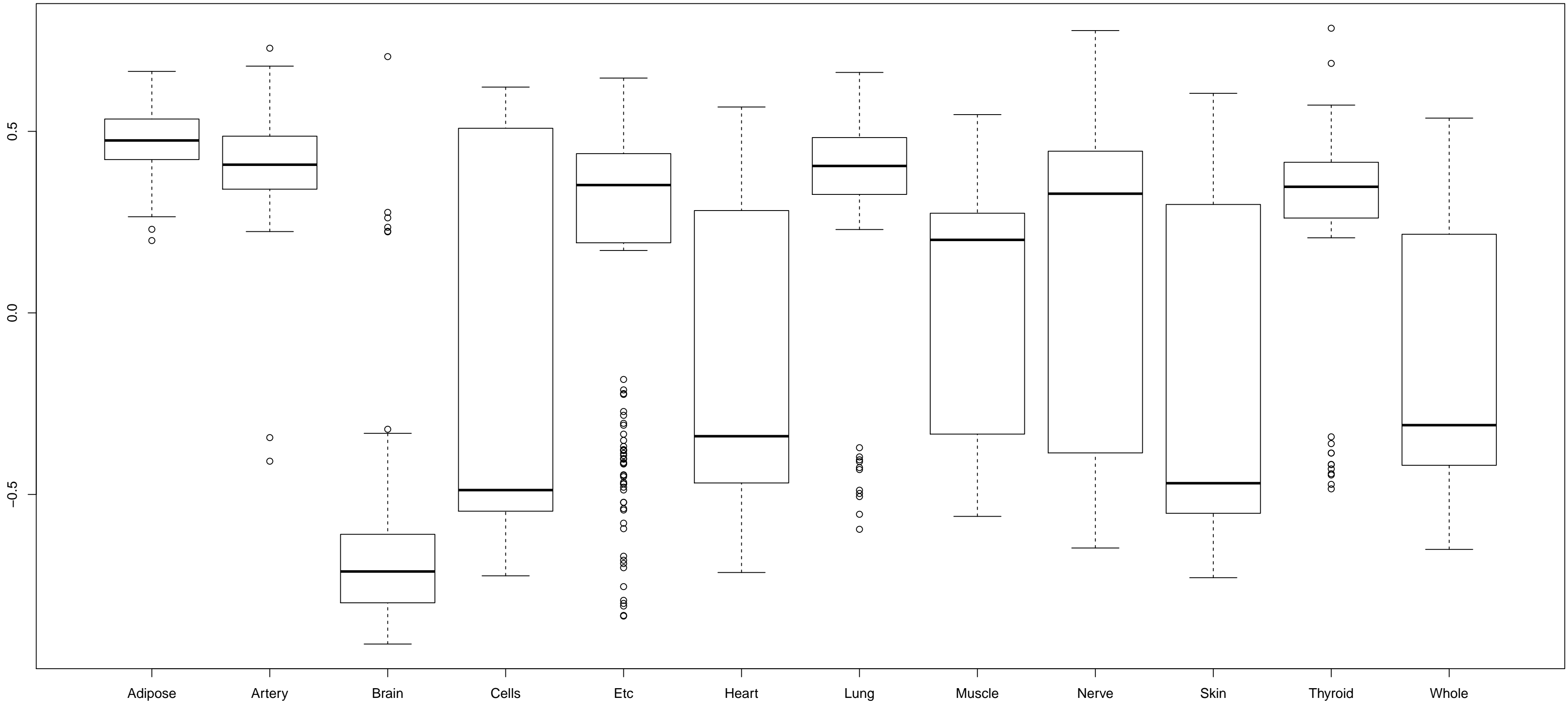


Binding\_of\_IRS\_to\_insulin\_receptor

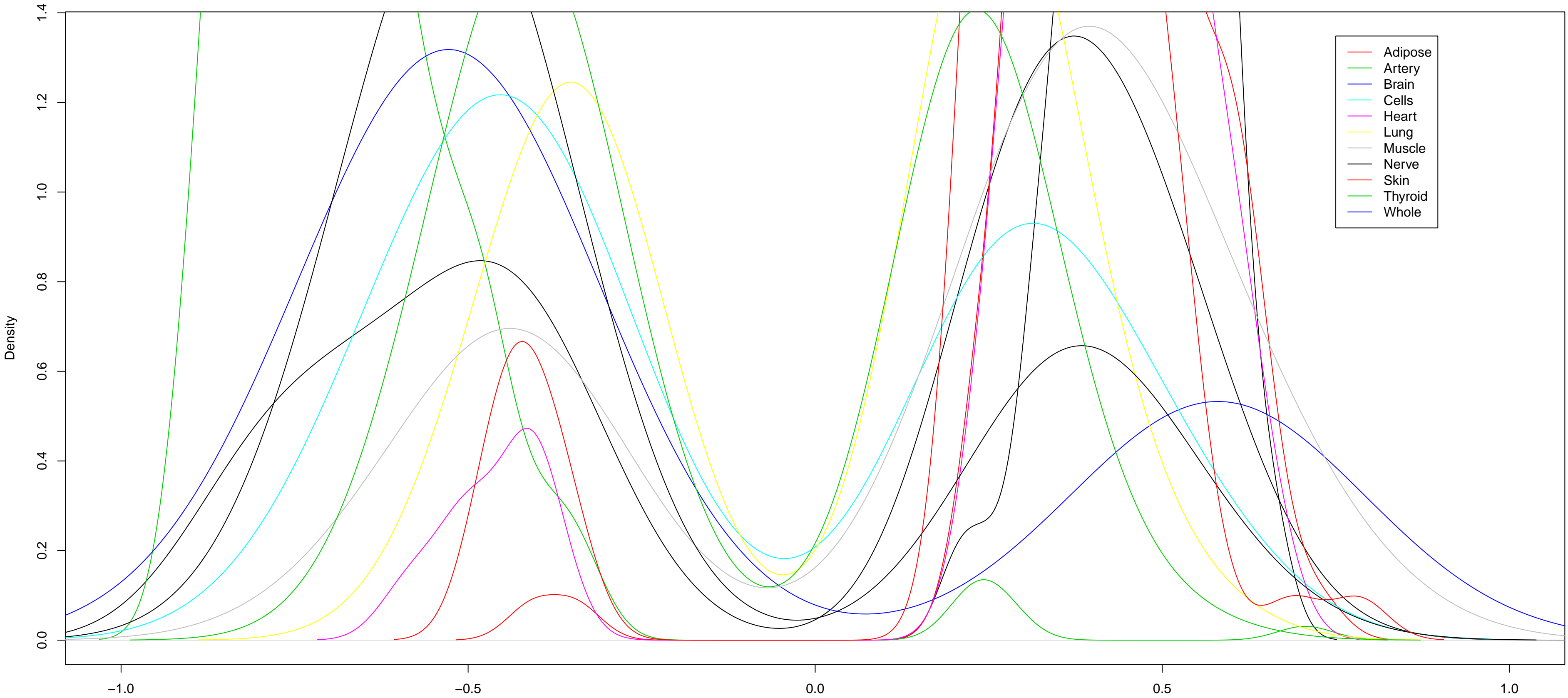


N = 1660 Bandwidth = 0.05654  
p-value(ANNOVA): 0 p-value(Kruskal): 0

Binding\_of\_SHC\_to\_insulin\_receptor

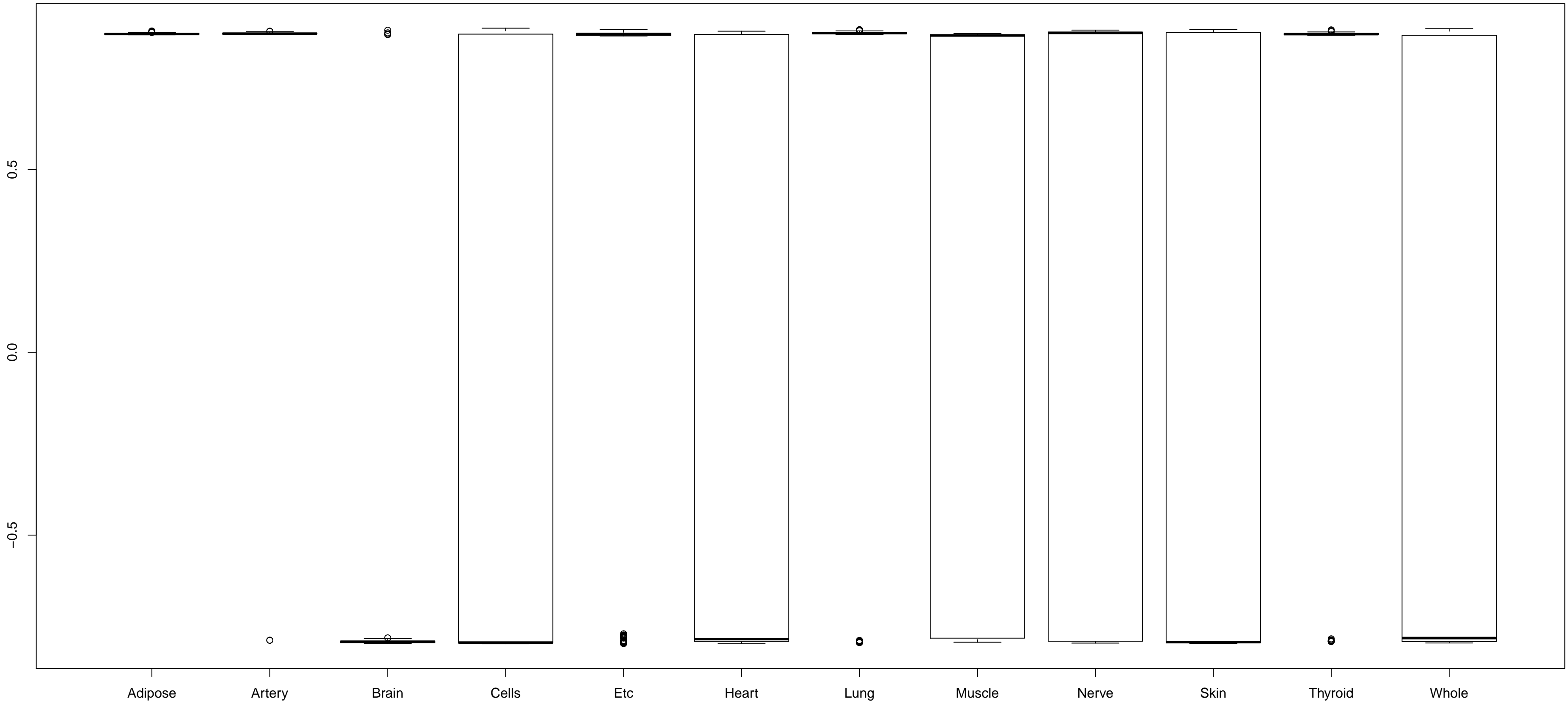


Binding\_of\_SHC\_to\_insulin\_receptor

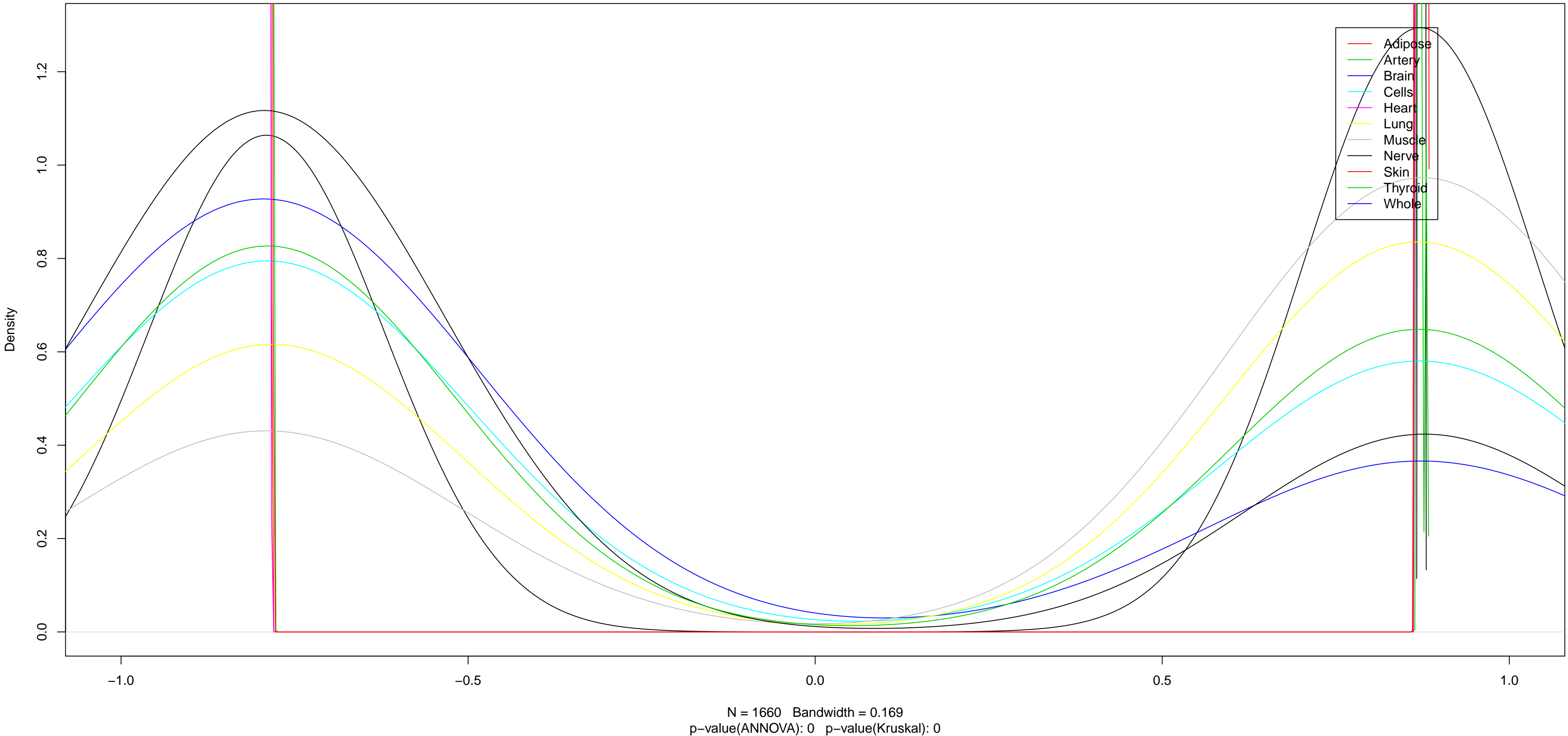


N = 1660 Bandwidth = 0.101  
p-value(ANNOVA): 3.81226755291331e-313 p-value(Kruskal): 0

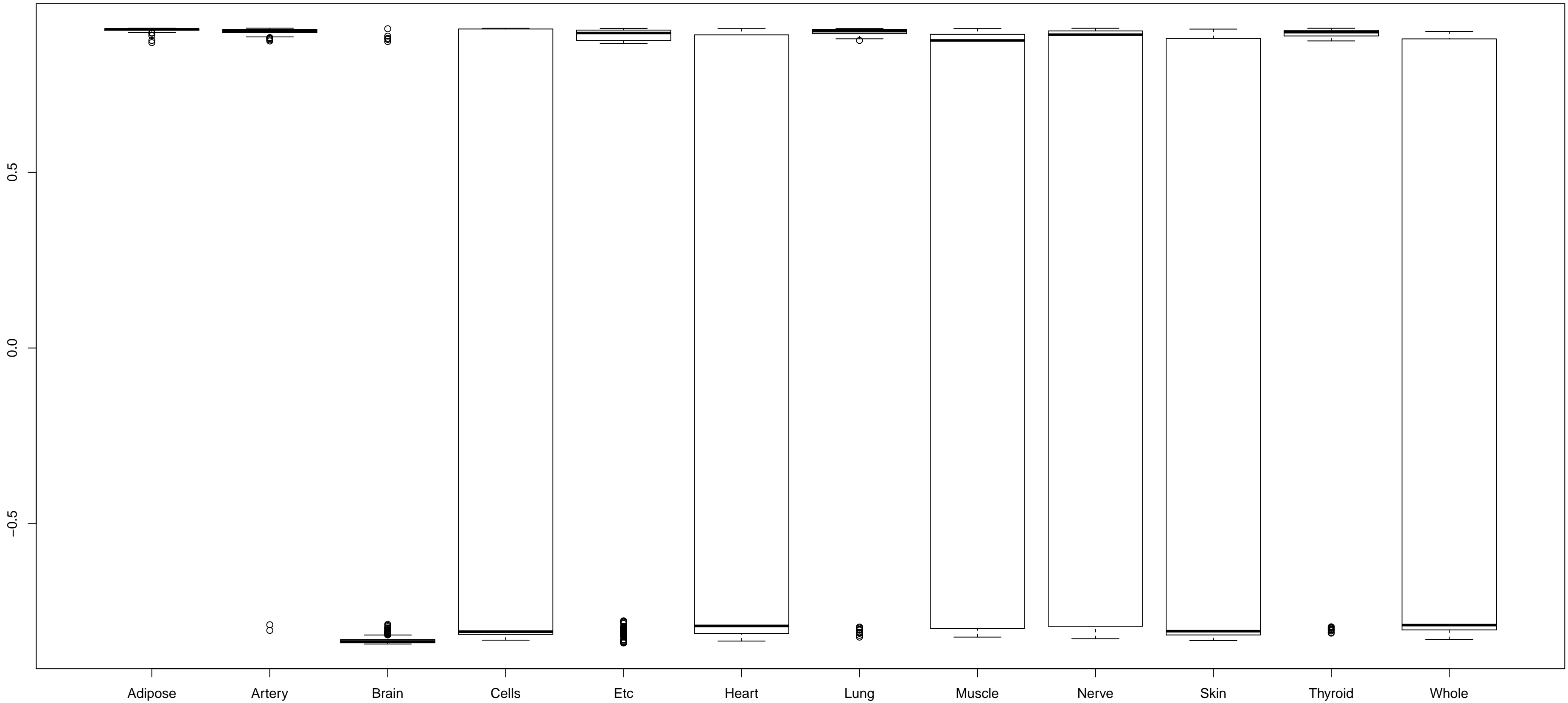
Dissociation\_of\_IRSP\_from\_insulin\_receptor



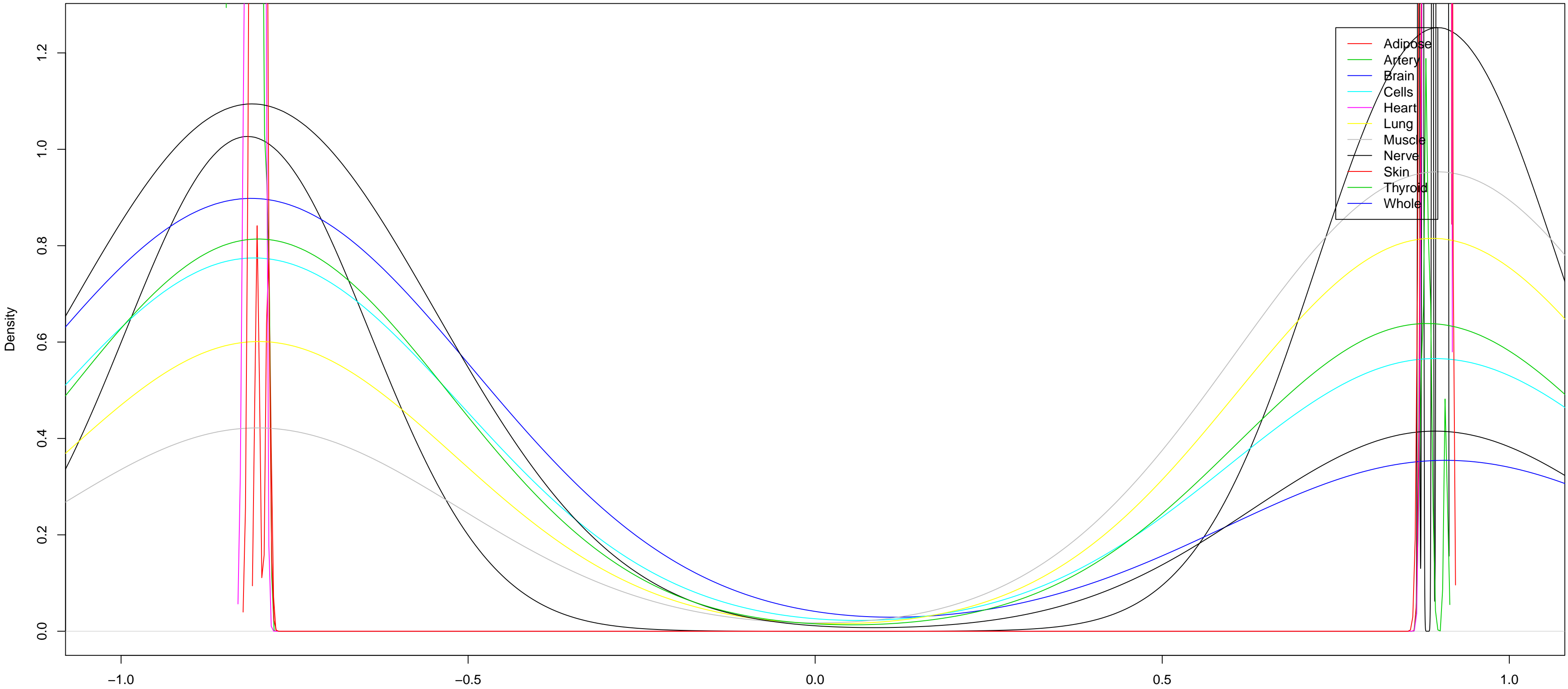
Dissociation\_of\_IRSP\_from\_insulin\_receptor



Dissociation\_of\_SHCP\_from\_insulin\_receptor



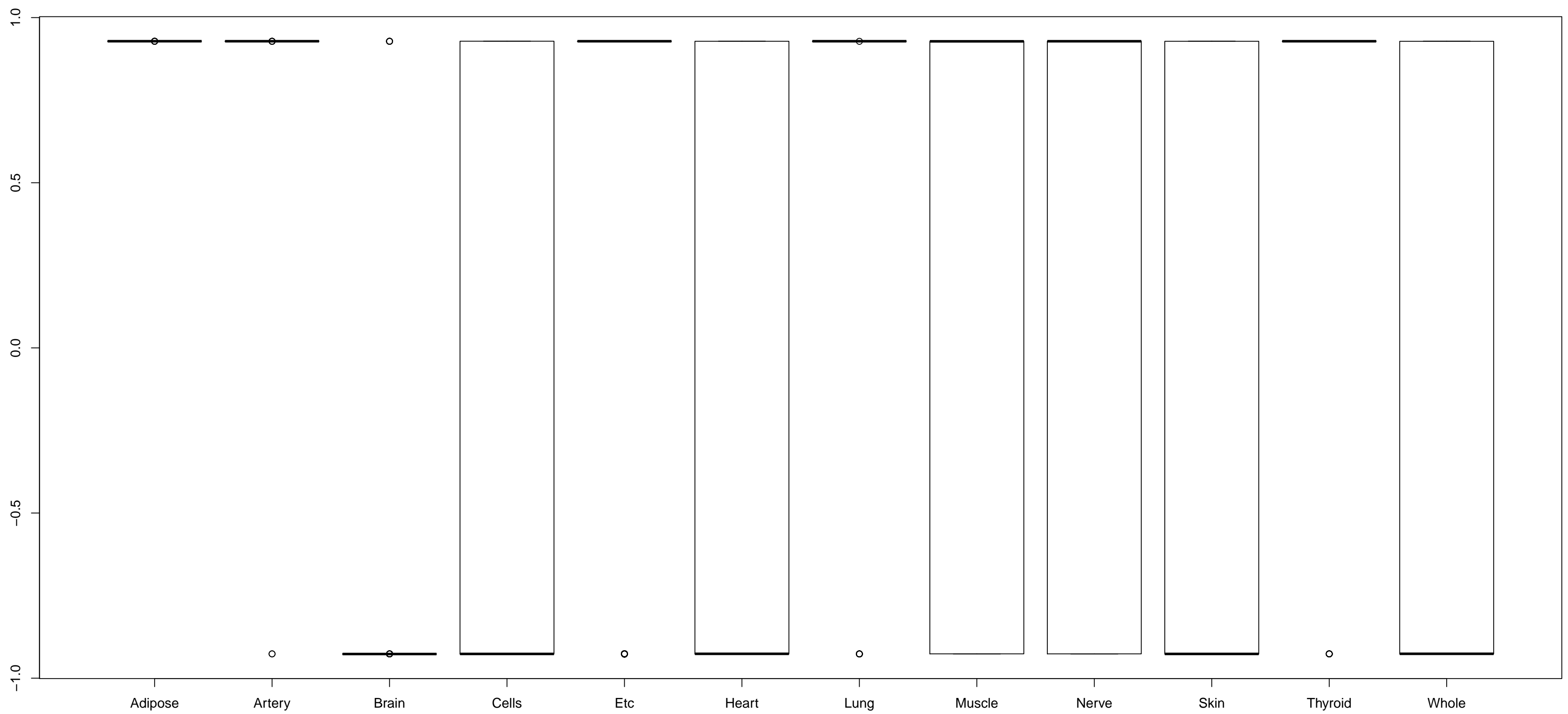
Dissociation\_of\_SHCP\_from\_insulin\_receptor



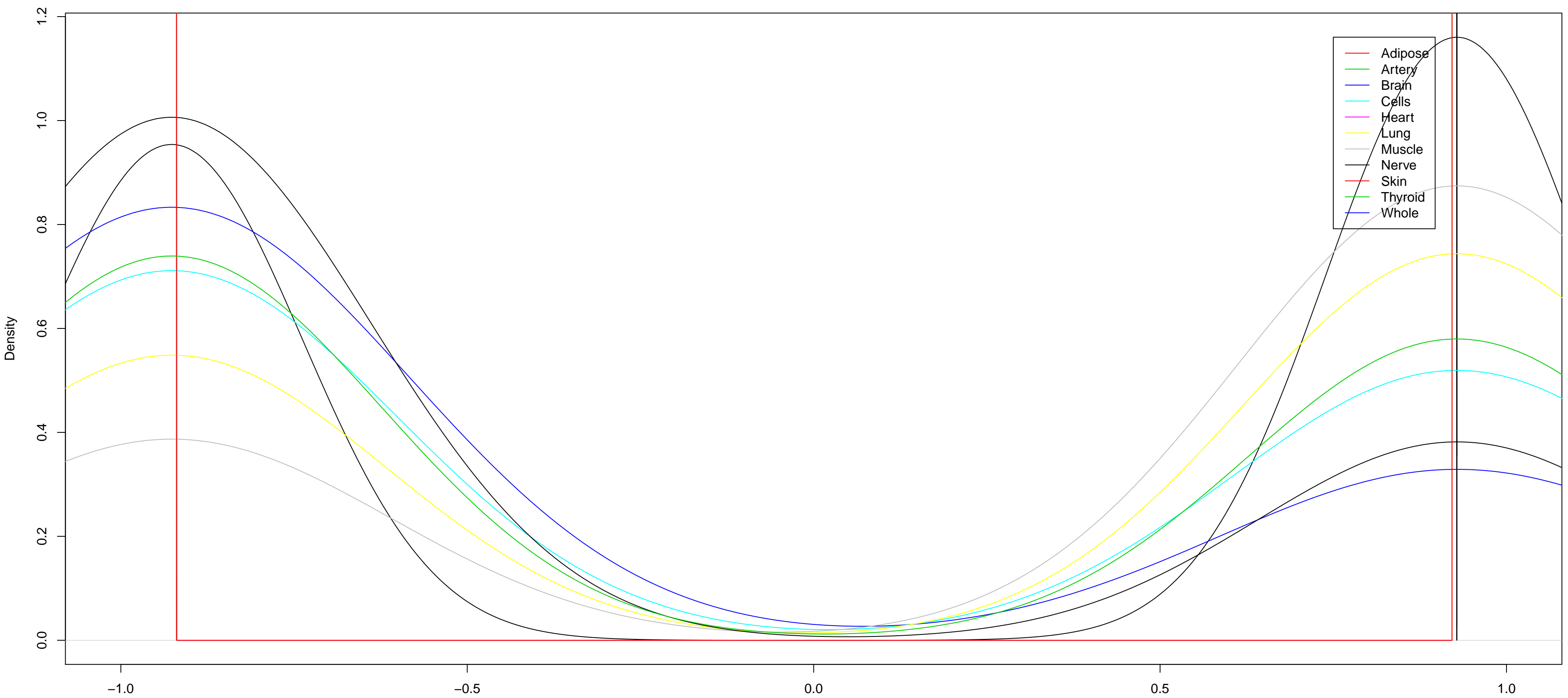
N = 1660 Bandwidth = 0.1744  
p-value(ANNOVA): 0 p-value(Kruskal): 0



Dissociation\_of\_insulin\_from\_insulin\_receptor

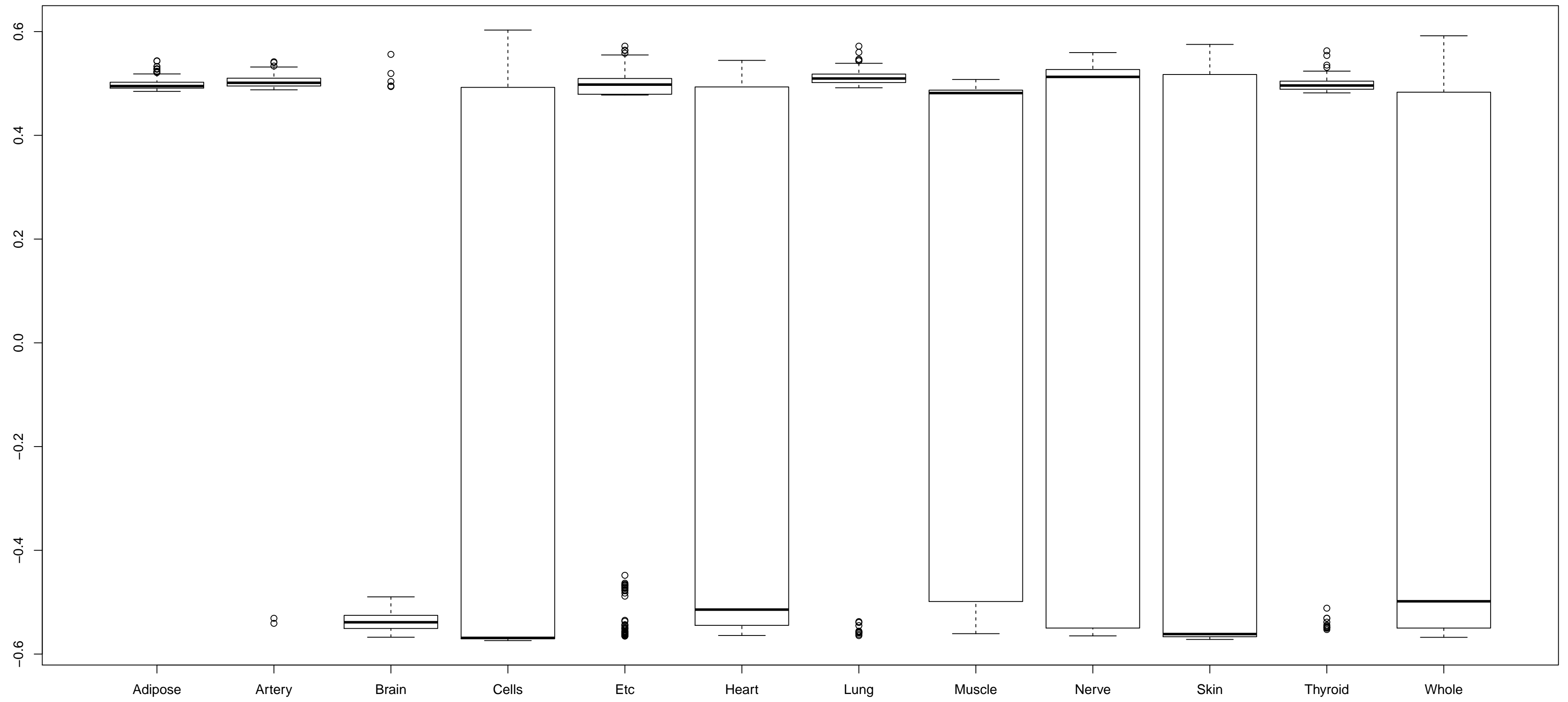


Dissociation\_of\_insulin\_from\_insulin\_receptor

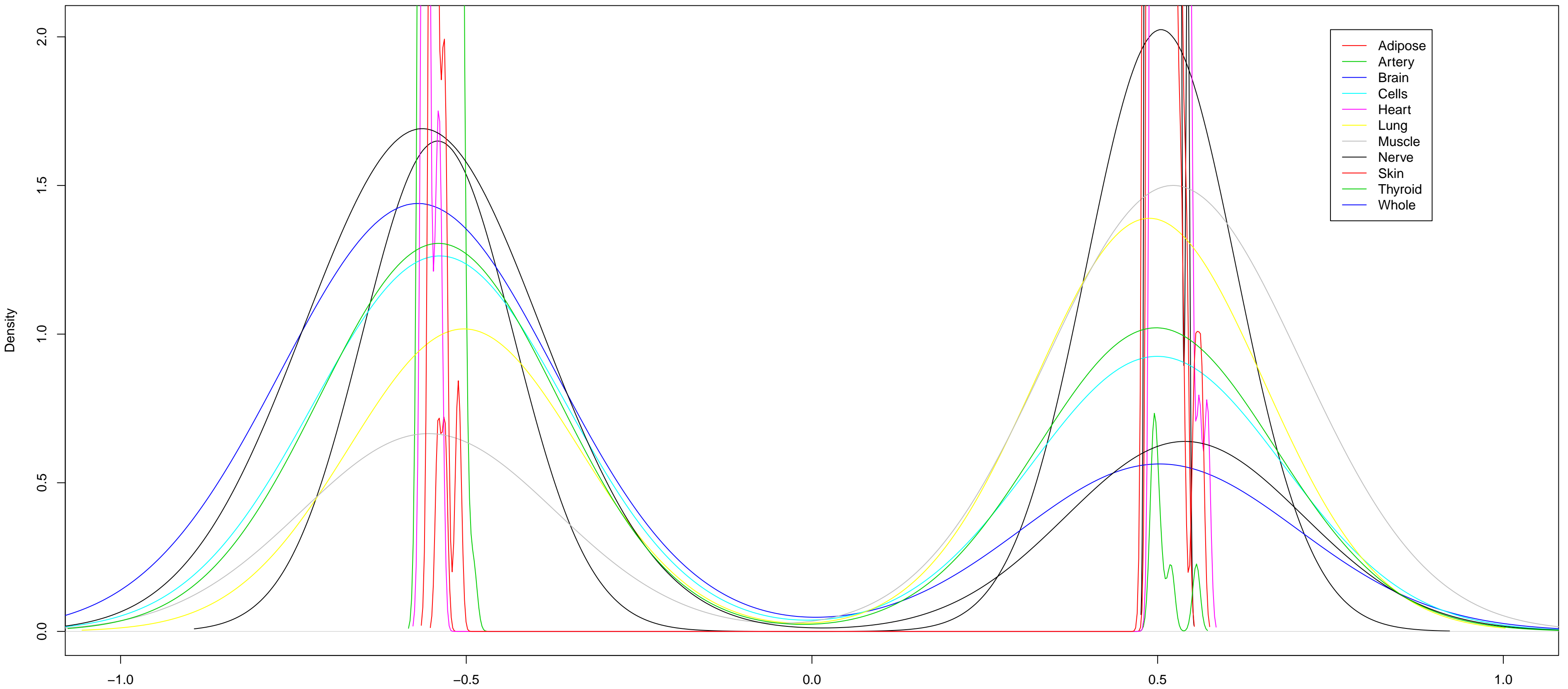


N = 1660 Bandwidth = 0.1886  
p-value(ANNOVA): 0 p-value(Kruskal): 0

IRS\_activated\_insulin\_receptor\_plasma\_membrane\_



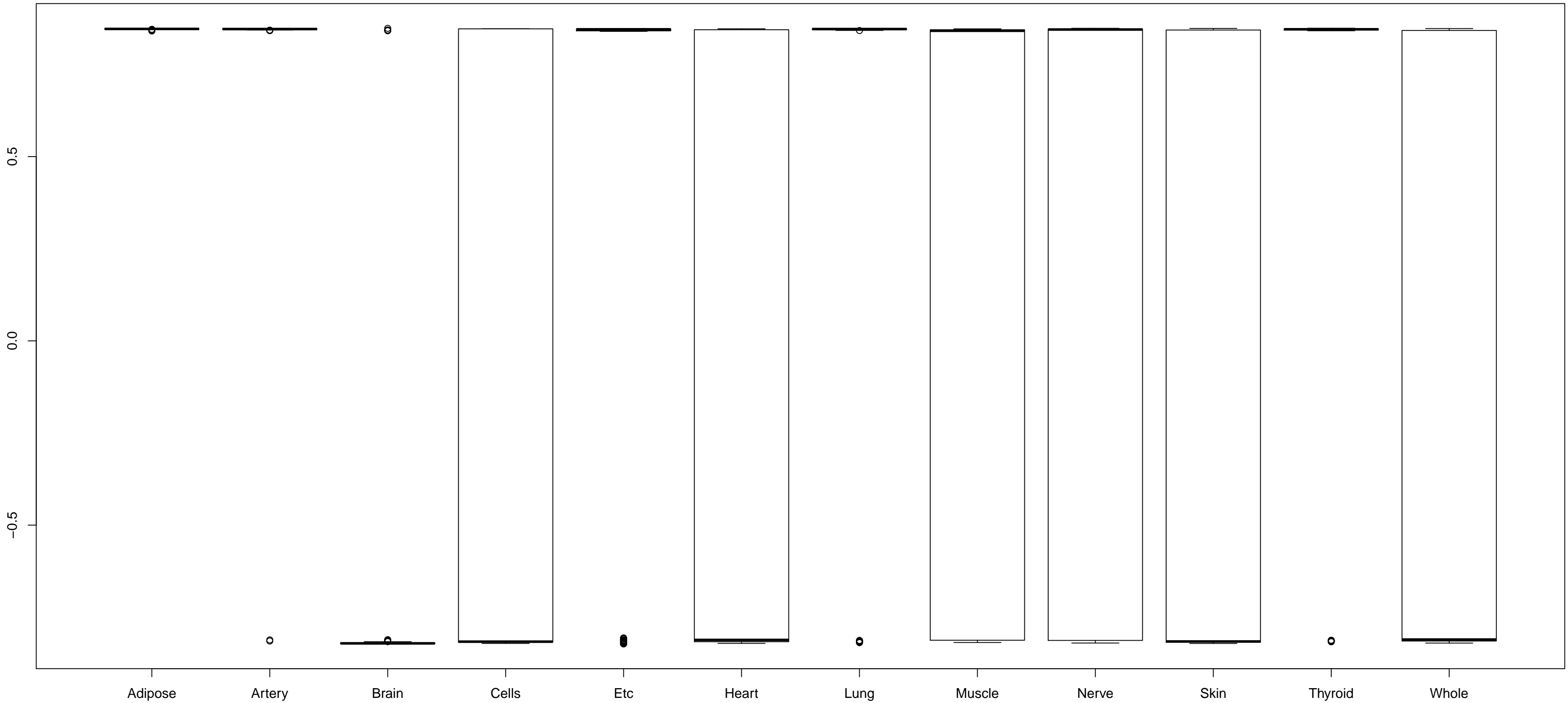
IRS\_activated\_insulin\_receptor\_plasma\_membrane\_



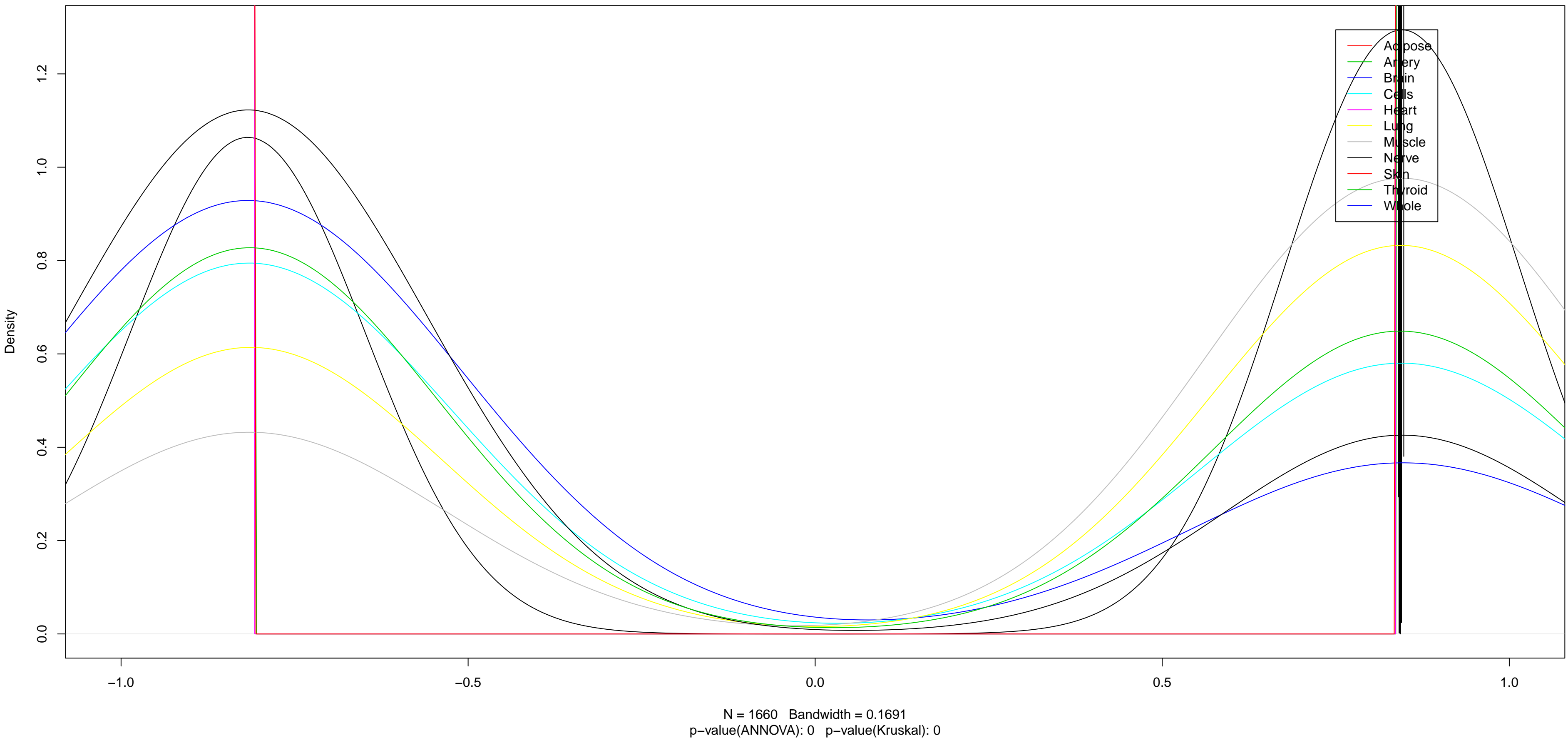
N = 1660 Bandwidth = 0.1065  
p-value(ANNOVA): 0 p-value(Kruskal): 0



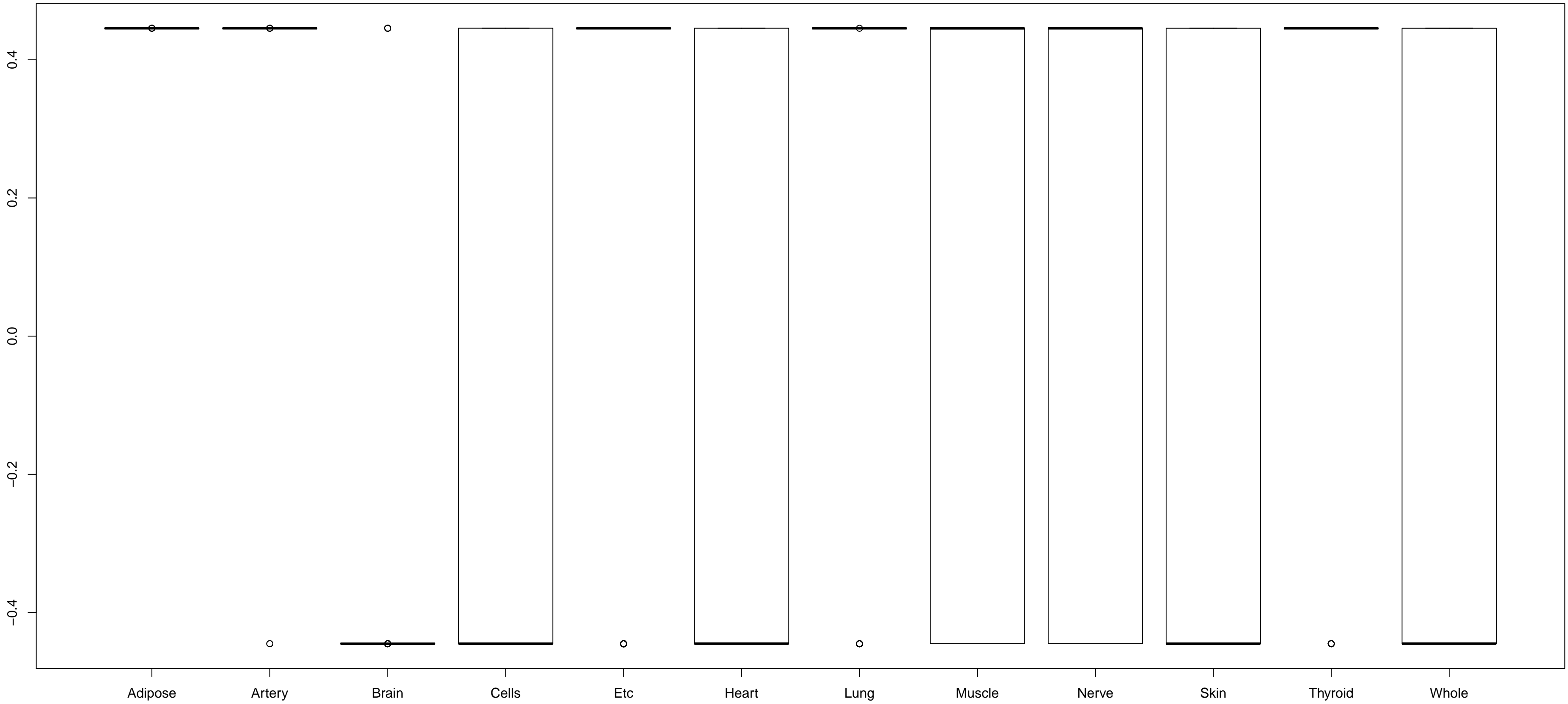
Internalisation\_of\_the\_insulin\_receptor



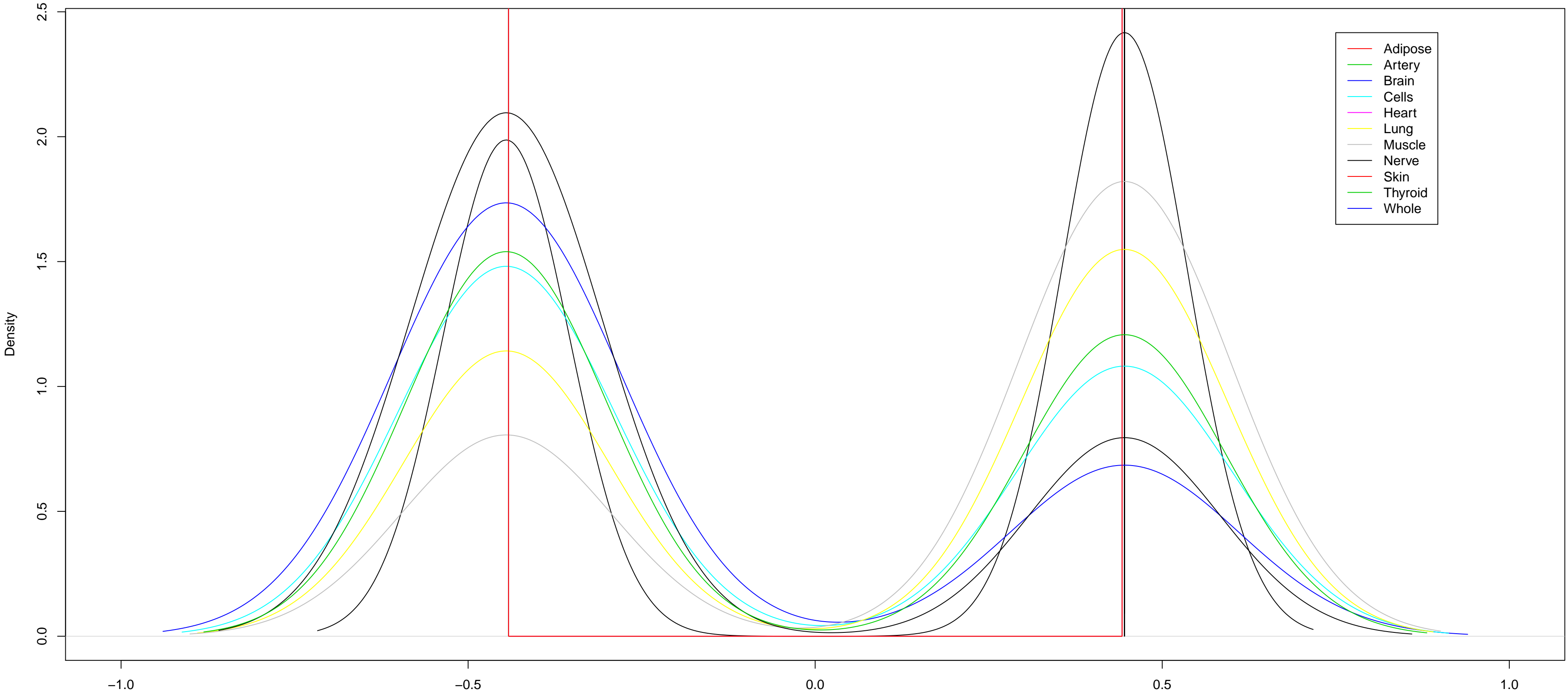
Internalisation\_of\_the\_insulin\_receptor



Reintegration\_of\_insulin\_receptor\_into\_plasma\_membrane

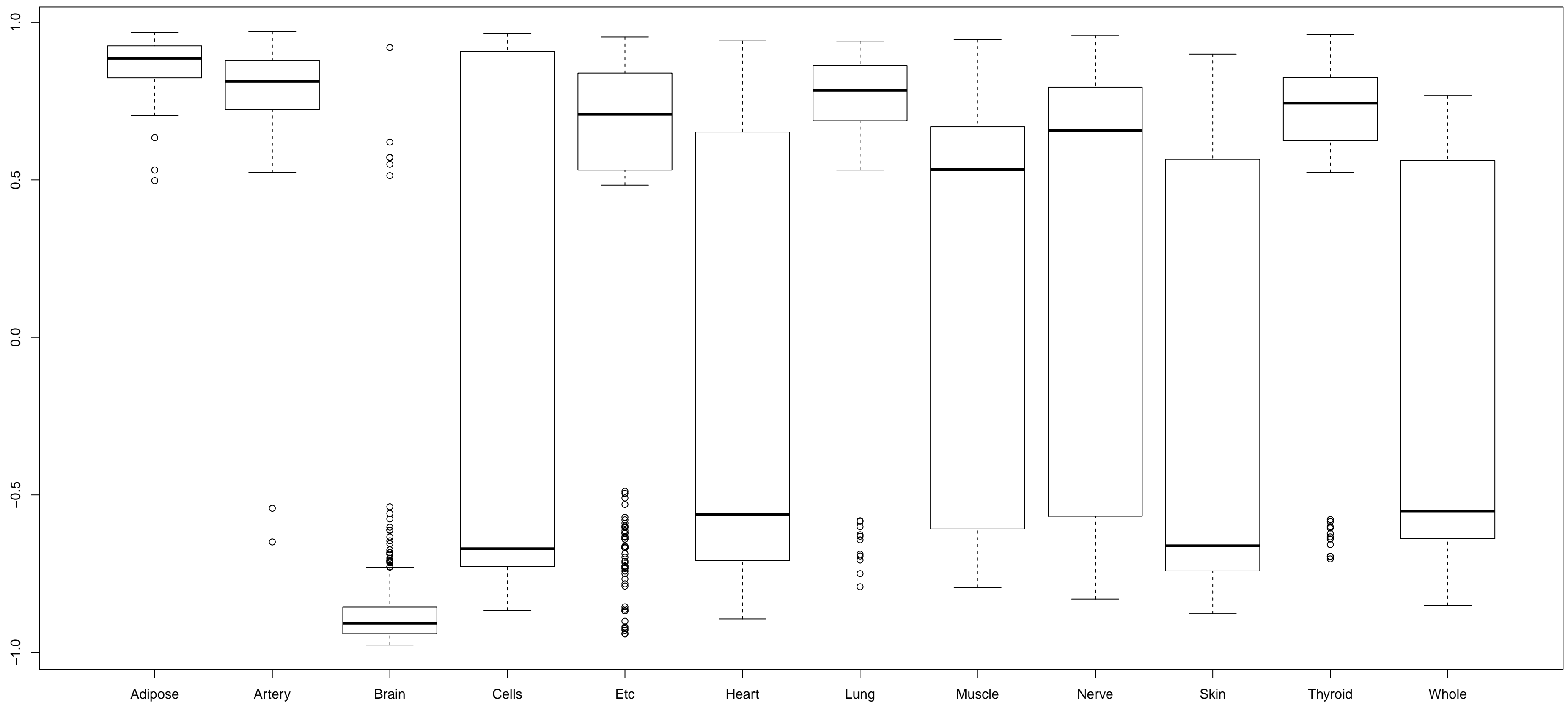


Reintegration\_of\_insulin\_receptor\_into\_plasma\_membrane

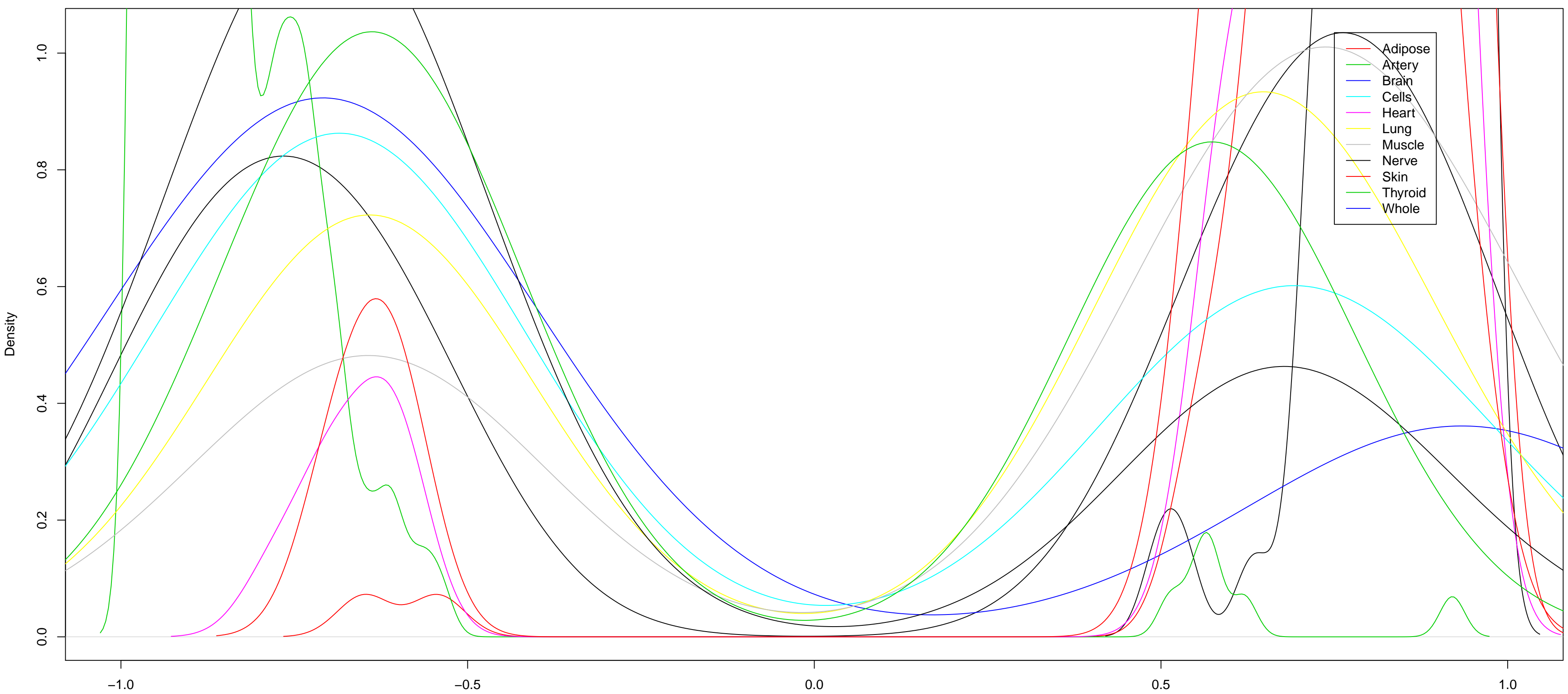


N = 1660 Bandwidth = 0.09058  
p-value(ANNOVA): 0 p-value(Kruskal): 0

SHC\_activated\_insulin\_receptor\_plasma\_membrane\_

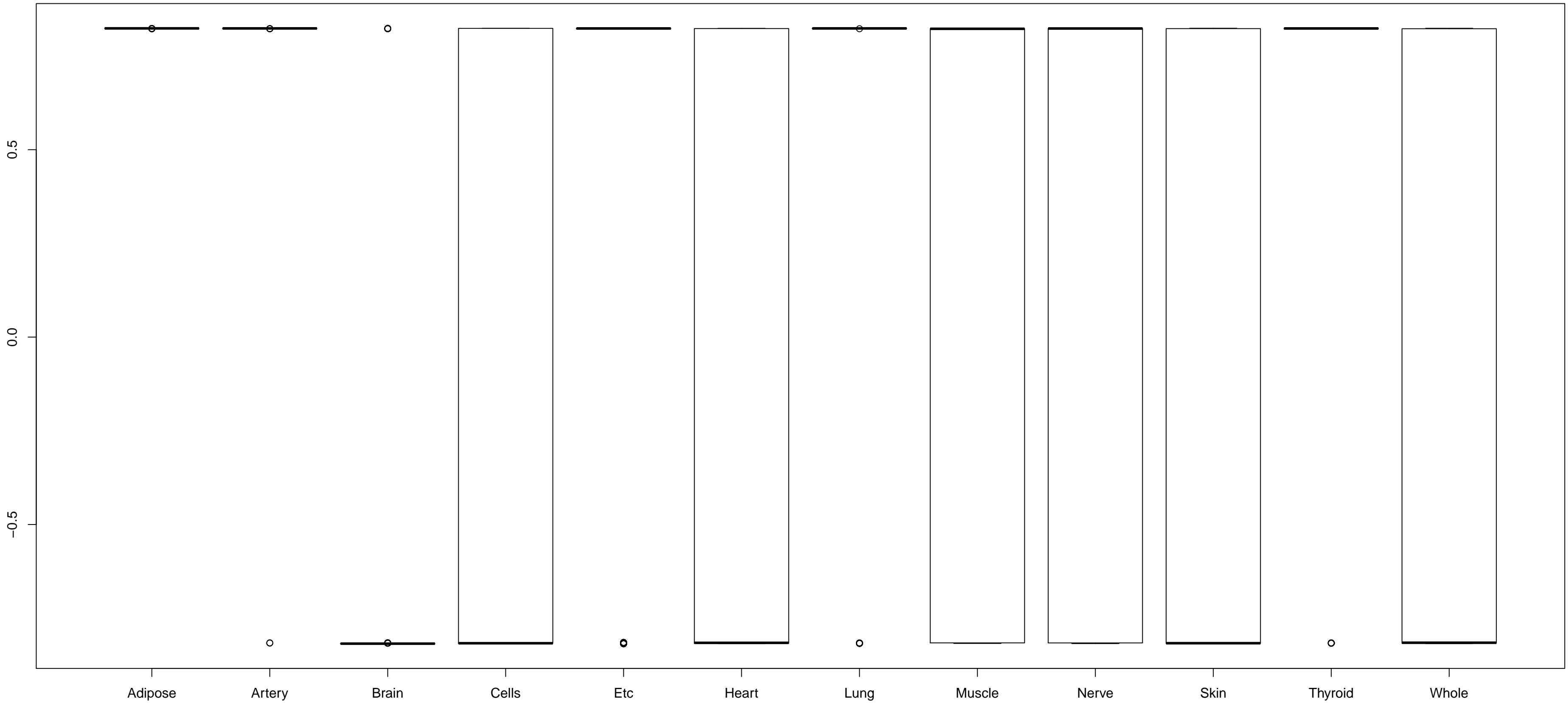


SHC\_activated\_insulin\_receptor\_plasma\_membrane\_

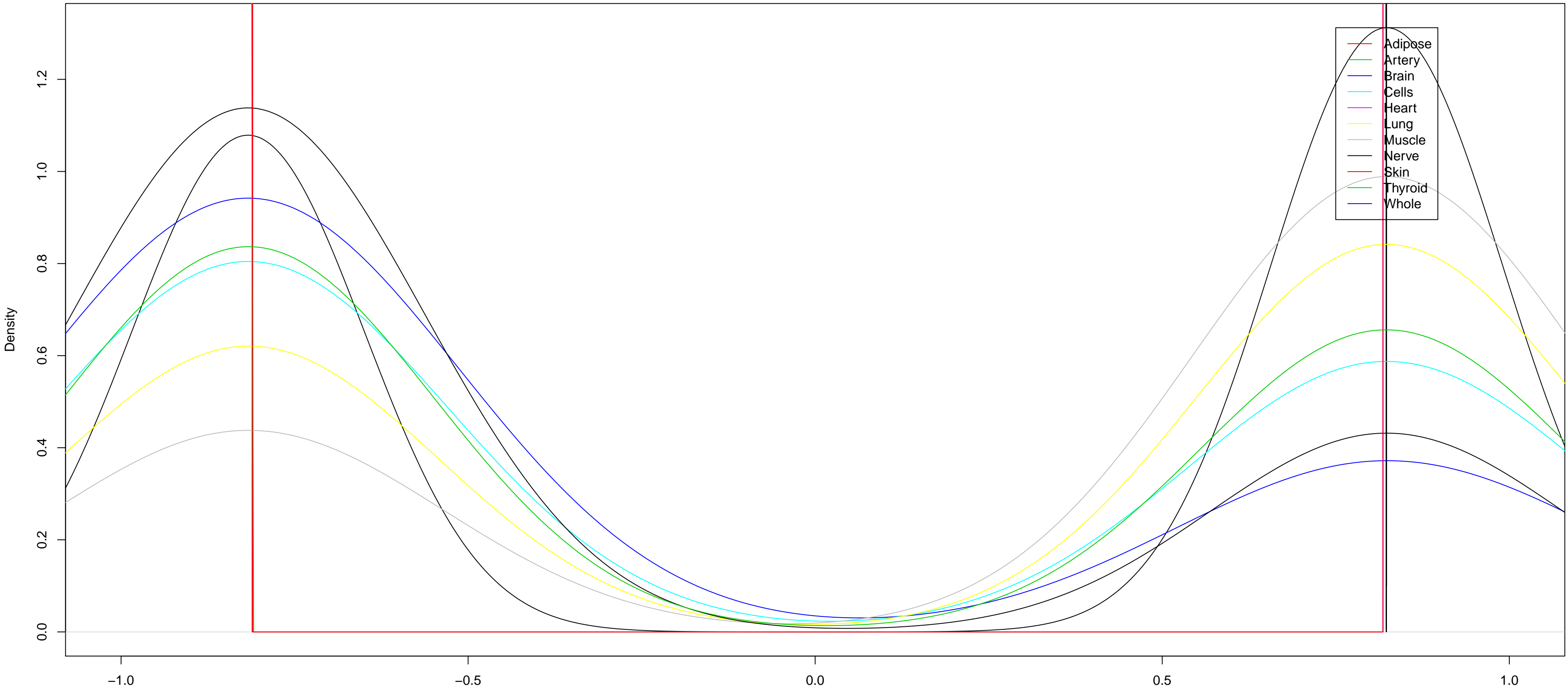


N = 1660 Bandwidth = 0.1565  
p-value(ANNOVA): 0 p-value(Kruskal): 0

activated\_insulin\_receptor\_endosome\_membrane\_

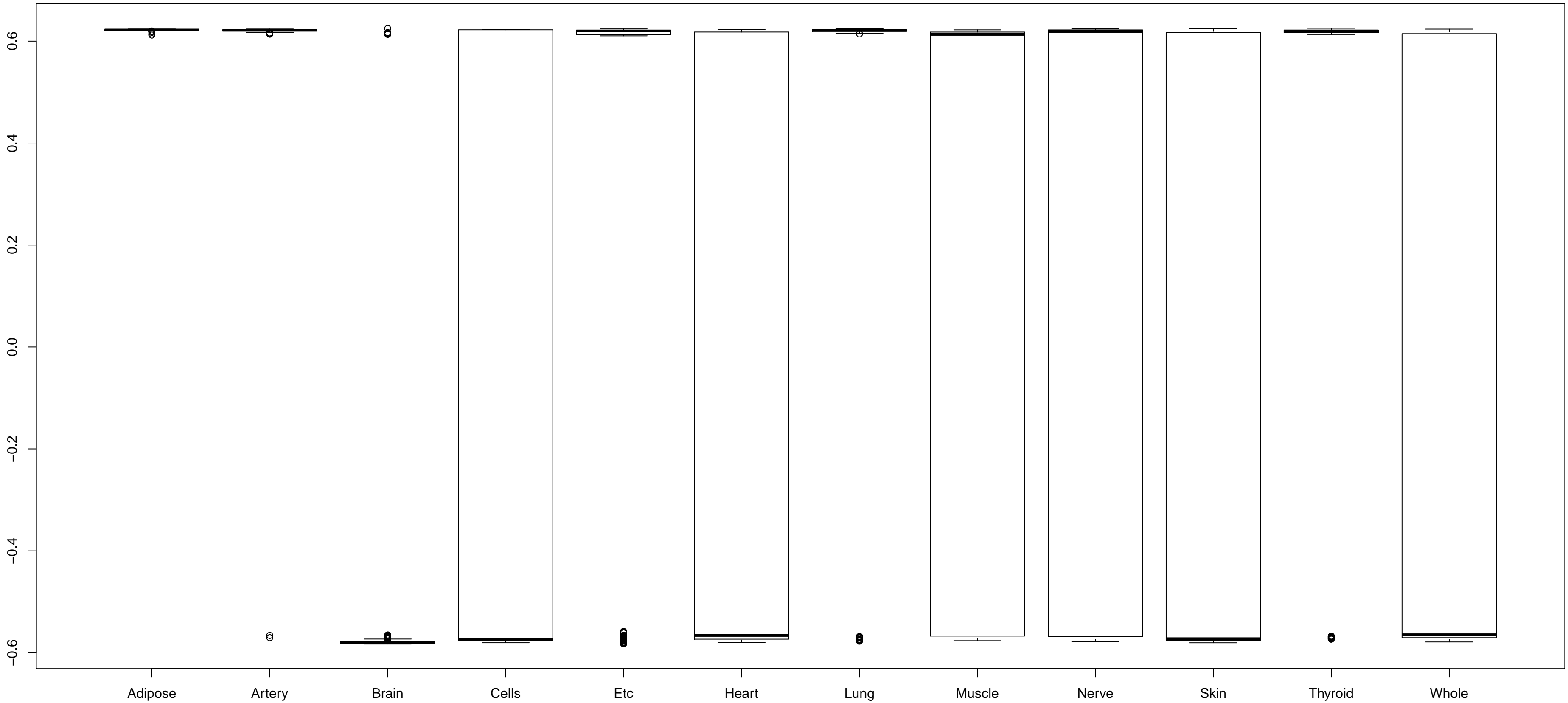


activated\_insulin\_receptor\_endosome\_membrane\_

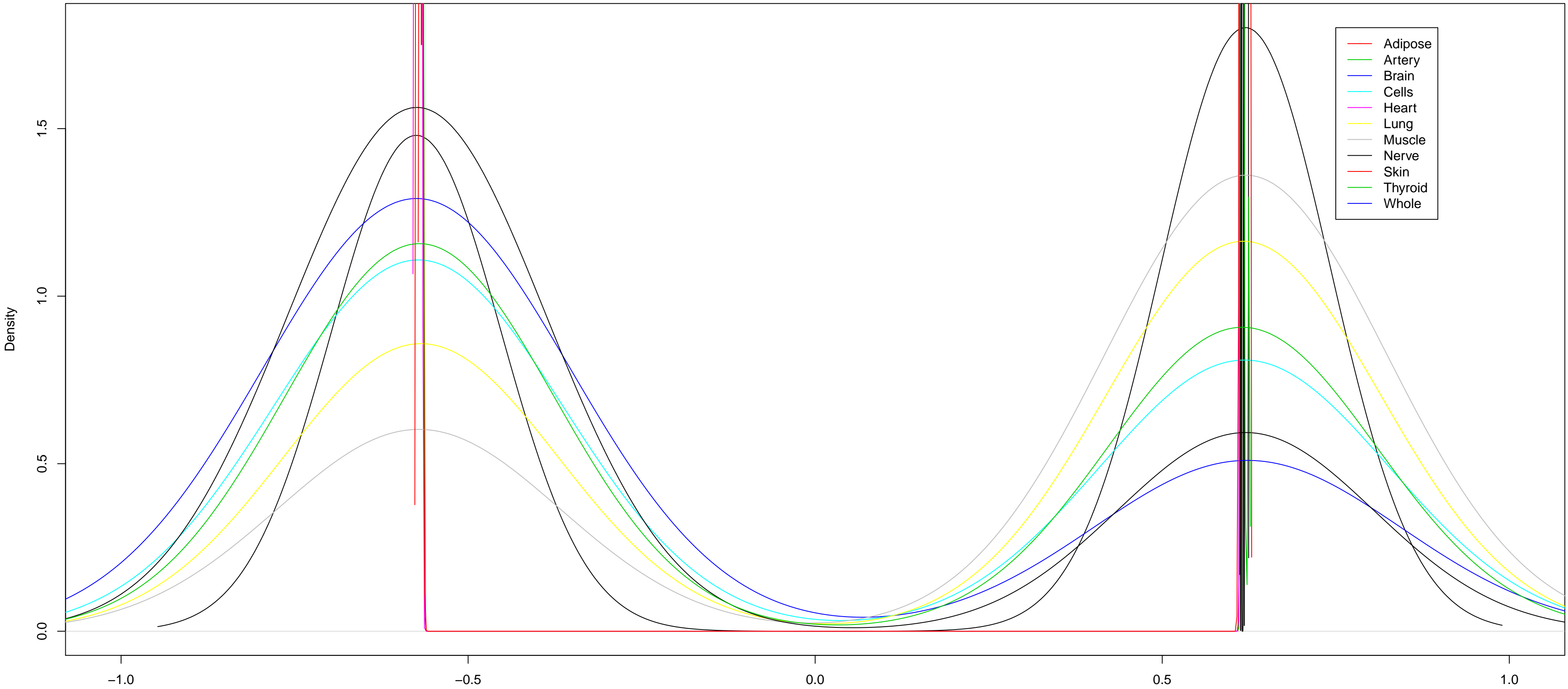


N = 1660 Bandwidth = 0.1668  
p-value(ANNOVA): 0 p-value(Kruskal): 0

activated\_insulin\_receptor\_plasma\_membrane\_

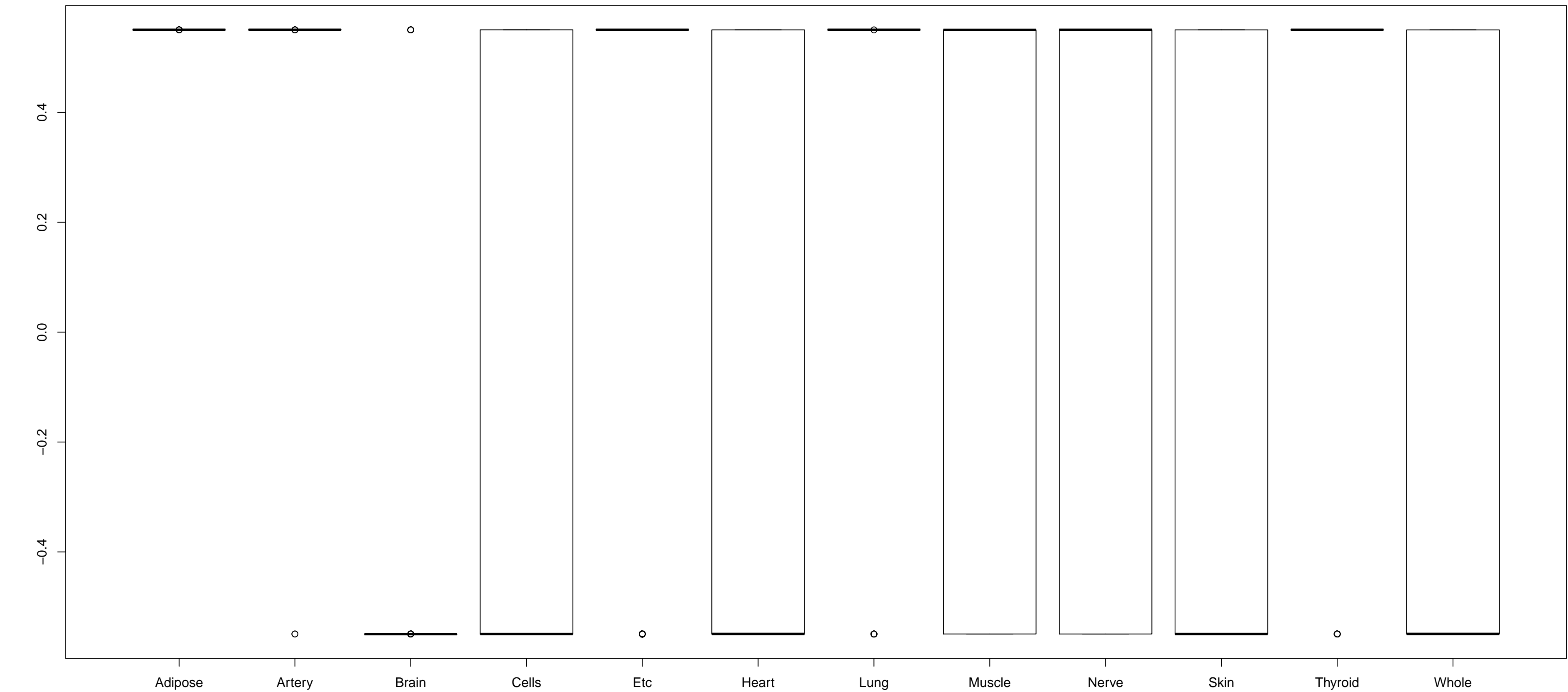


activated\_insulin\_receptor\_plasma\_membrane\_

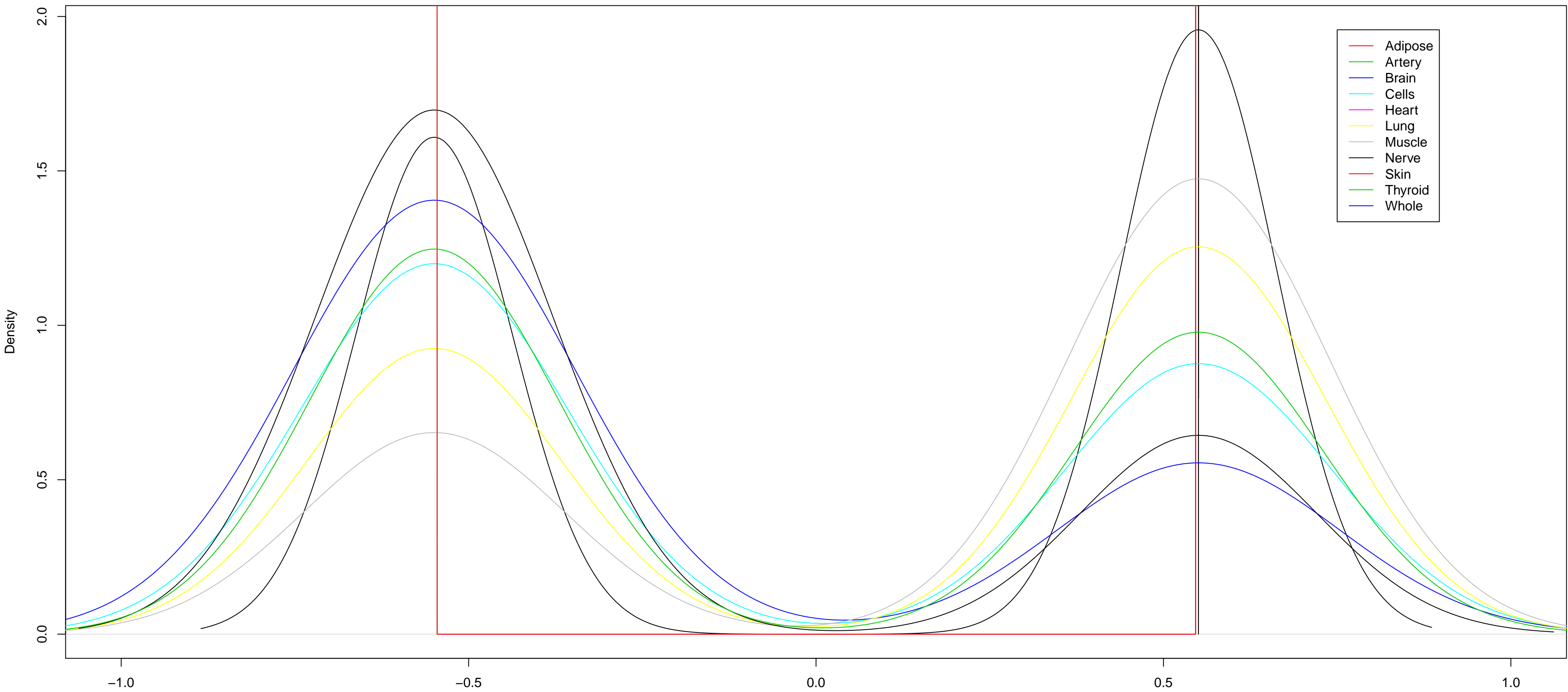


N = 1660 Bandwidth = 0.1215  
p-value(ANNOVA): 0 p-value(Kruskal): 0

insulin\_endosome\_lumen\_



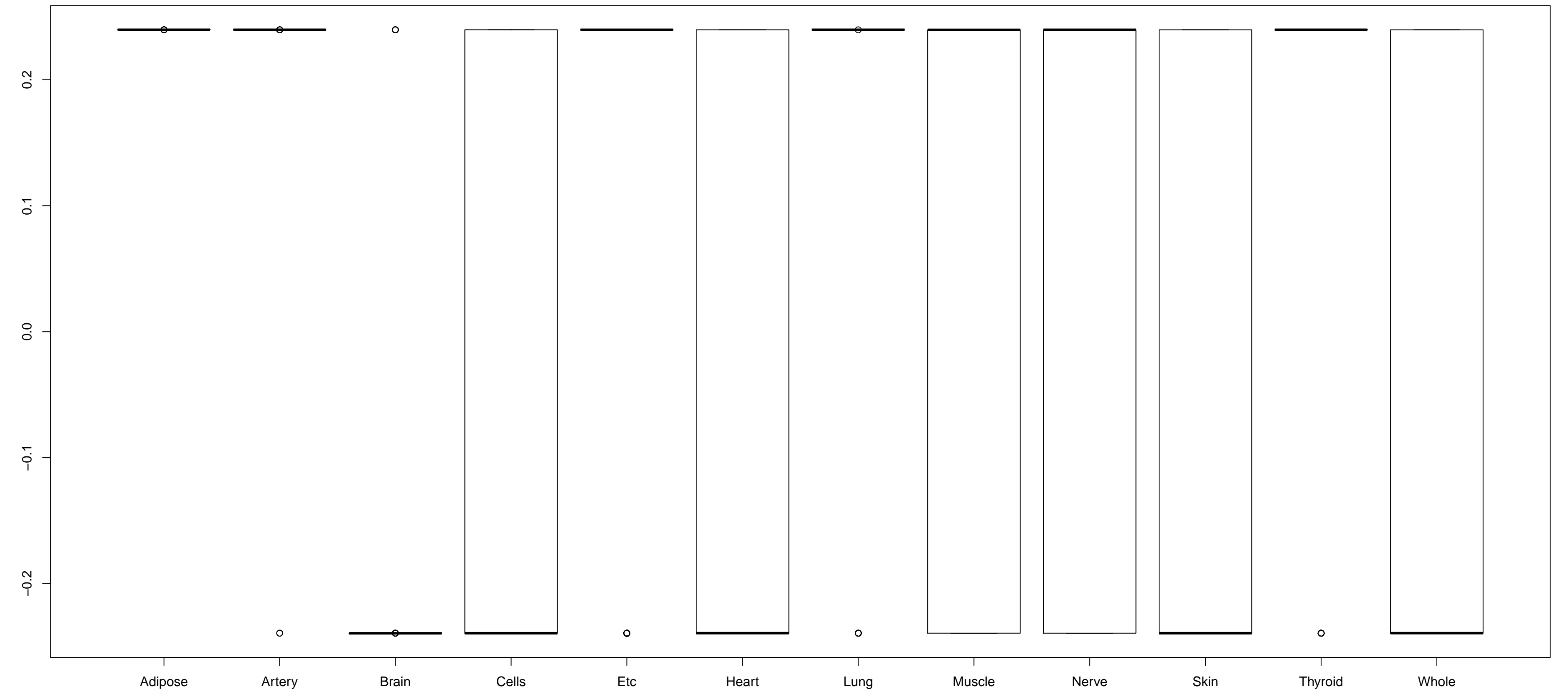
insulin\_endosome\_lumen\_



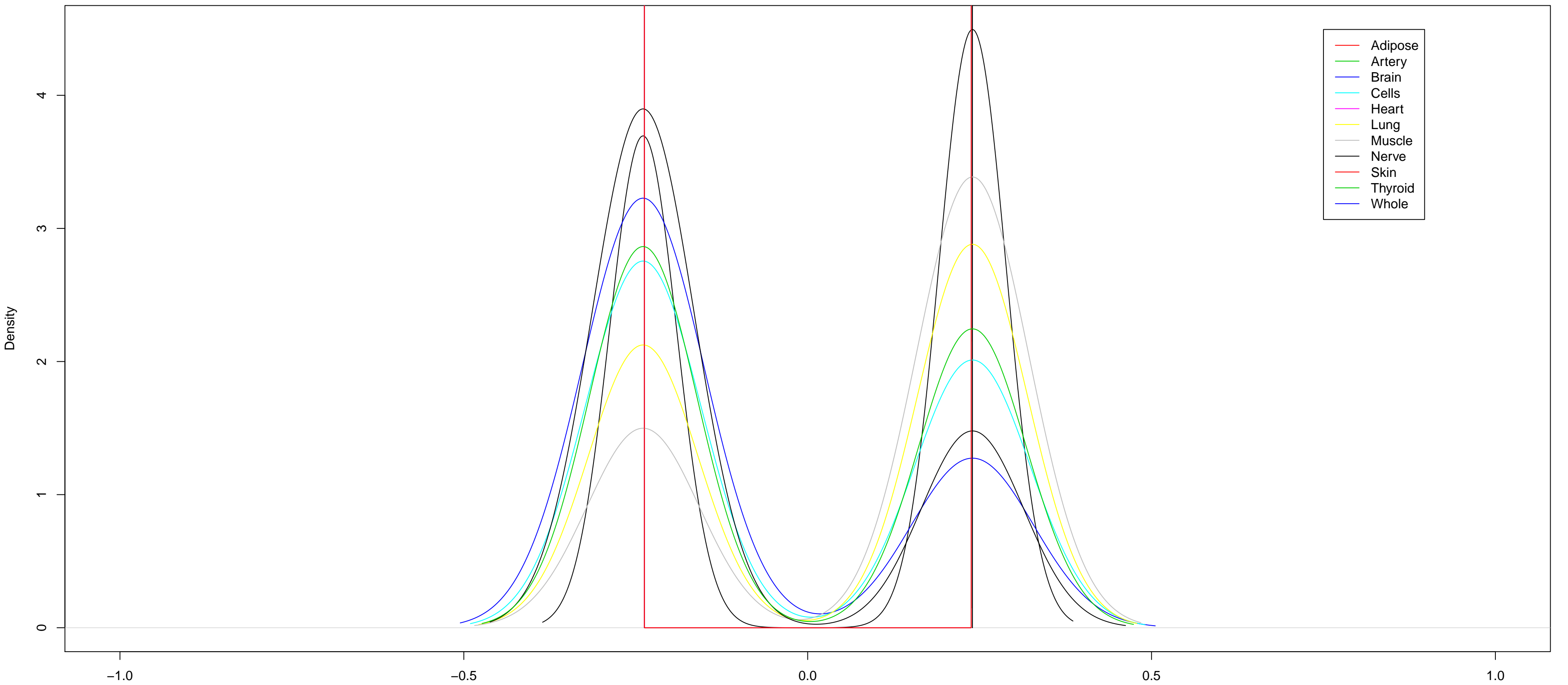
N = 1660 Bandwidth = 0.1118  
p-value(ANNOVA): 0 p-value(Kruskal): 0



insulin\_receptor\_endosome\_membrane\_

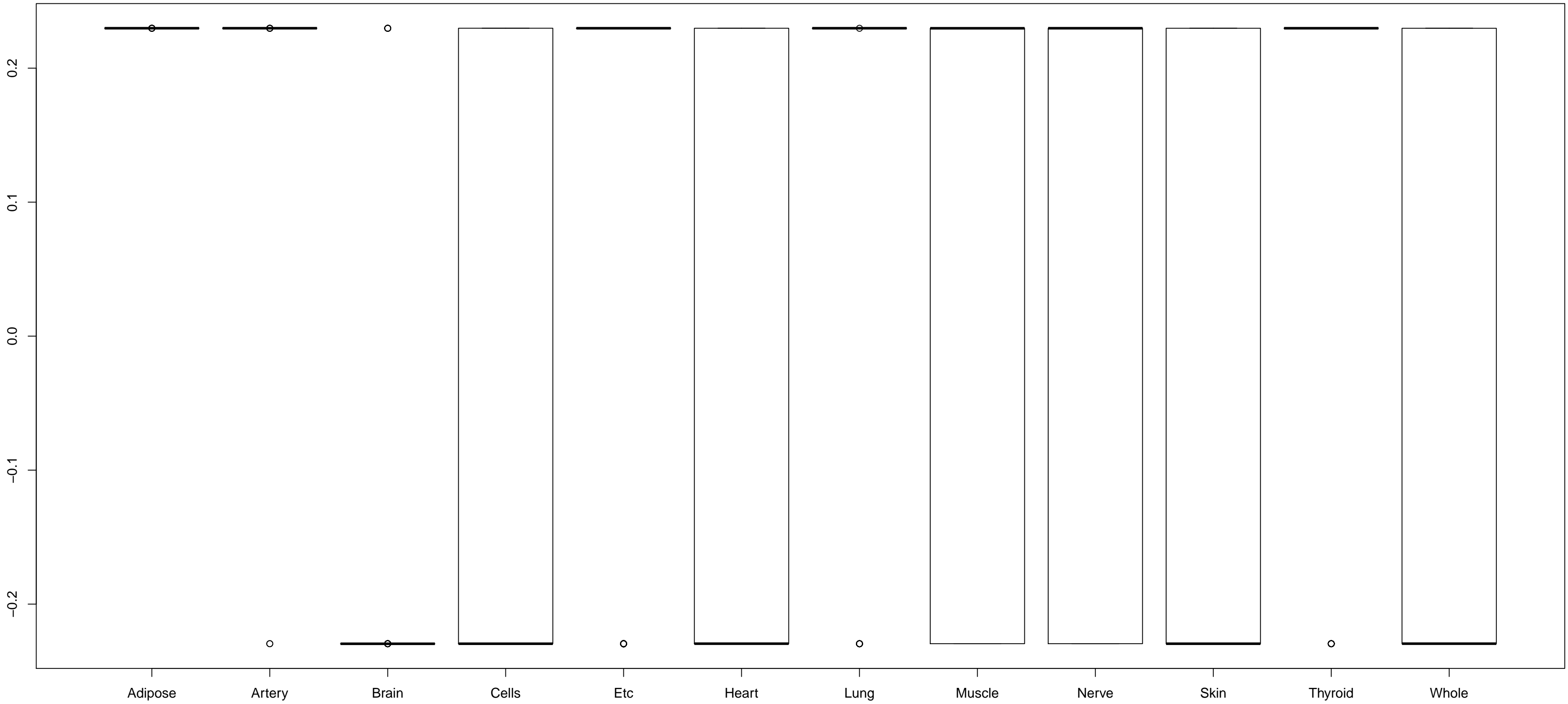


insulin\_receptor\_endosome\_membrane\_

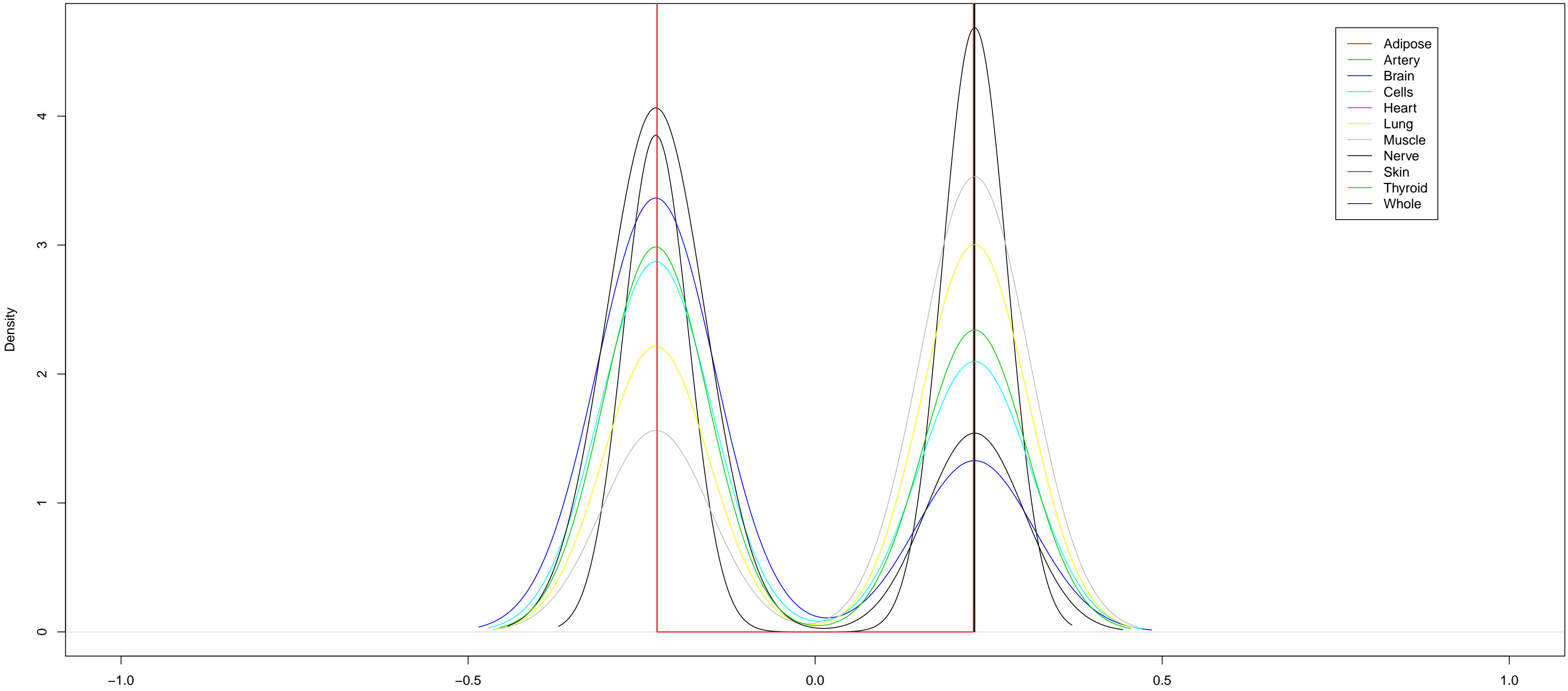


N = 1660 Bandwidth = 0.0487  
p-value(ANNOVA): 0 p-value(Kruskal): 0

insulin\_insulin\_receptor\_plasma\_membrane\_

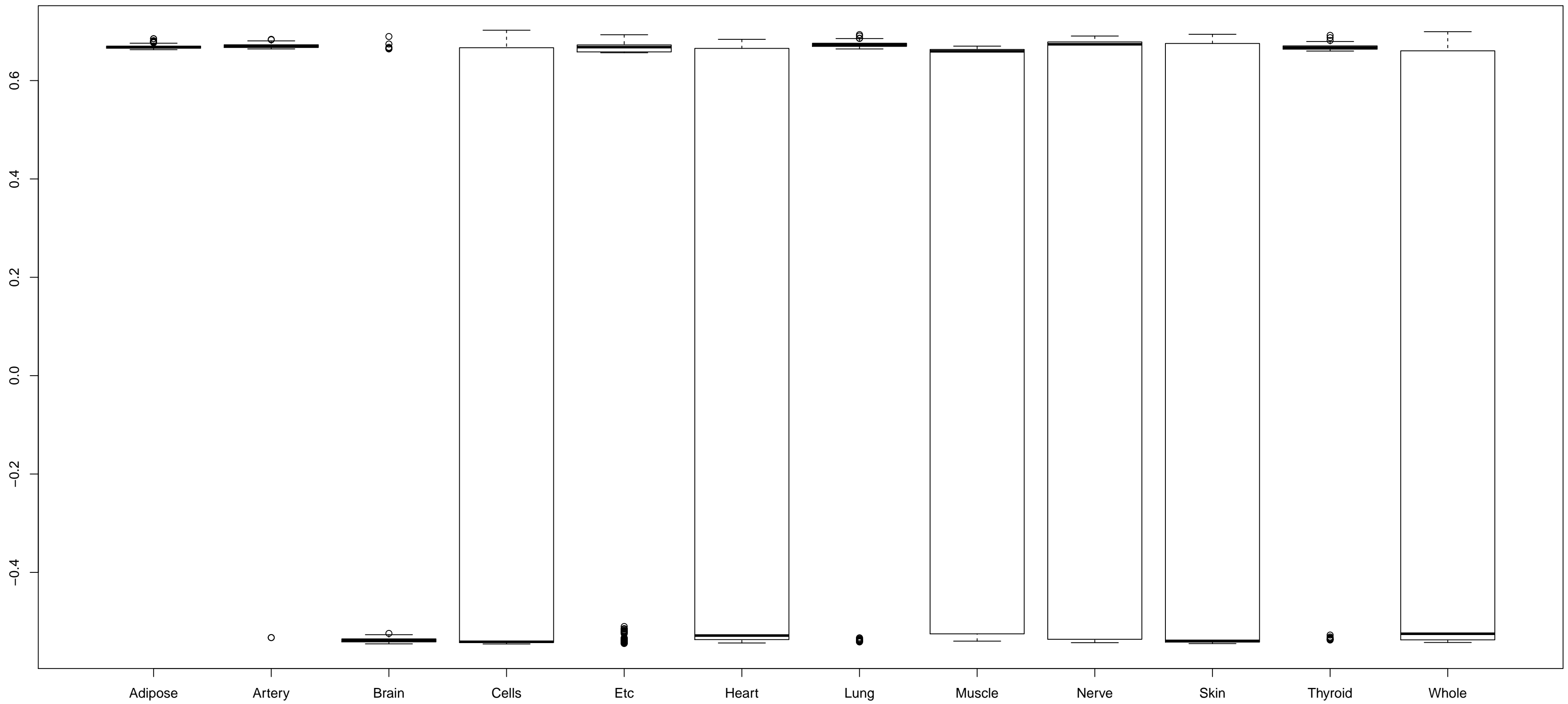


insulin\_insulin\_receptor\_plasma\_membrane\_

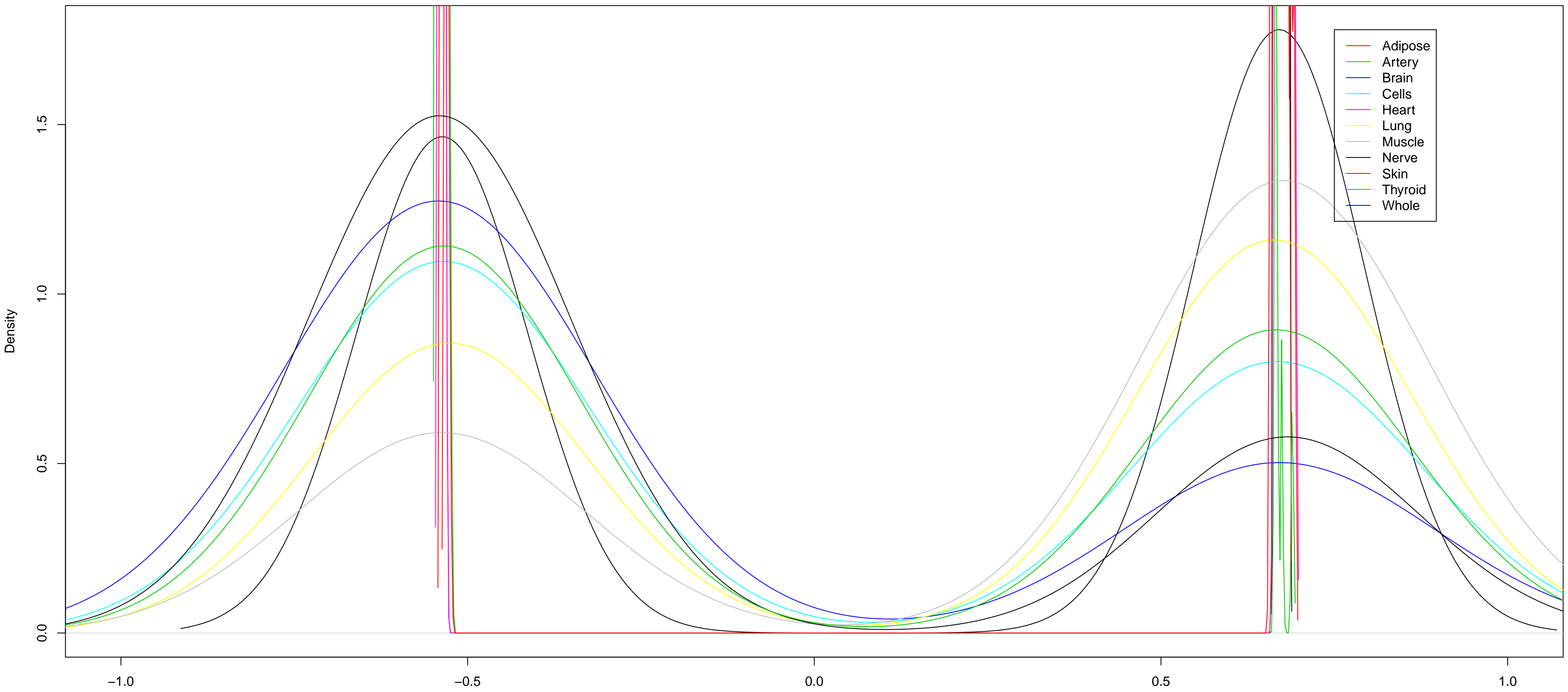


N = 1660 Bandwidth = 0.04671  
p-value(ANNOVA): 0 p-value(Kruskal): 0

phosphoIRS\_activated\_insulin\_receptor\_plasma\_membrane\_

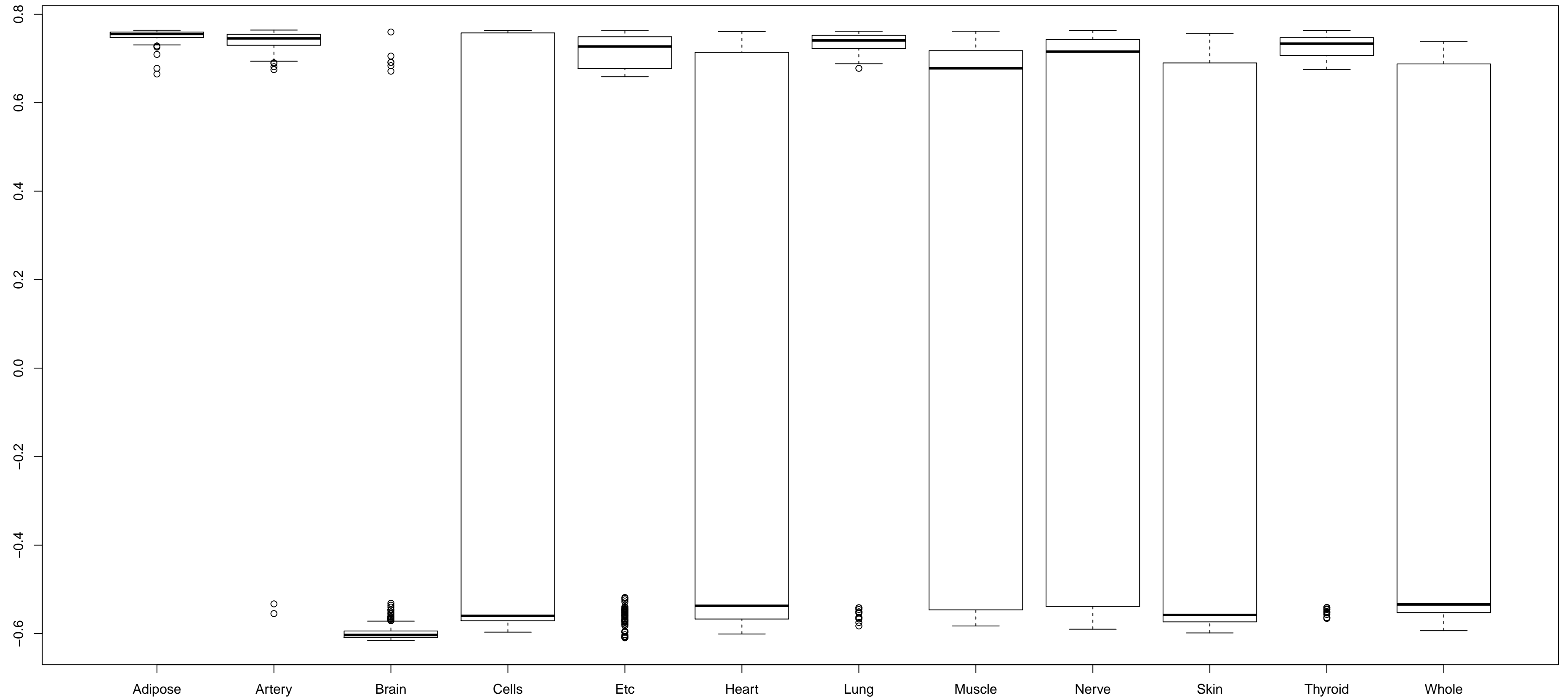


phosphoIRS\_activated\_insulin\_receptor\_plasma\_membrane\_

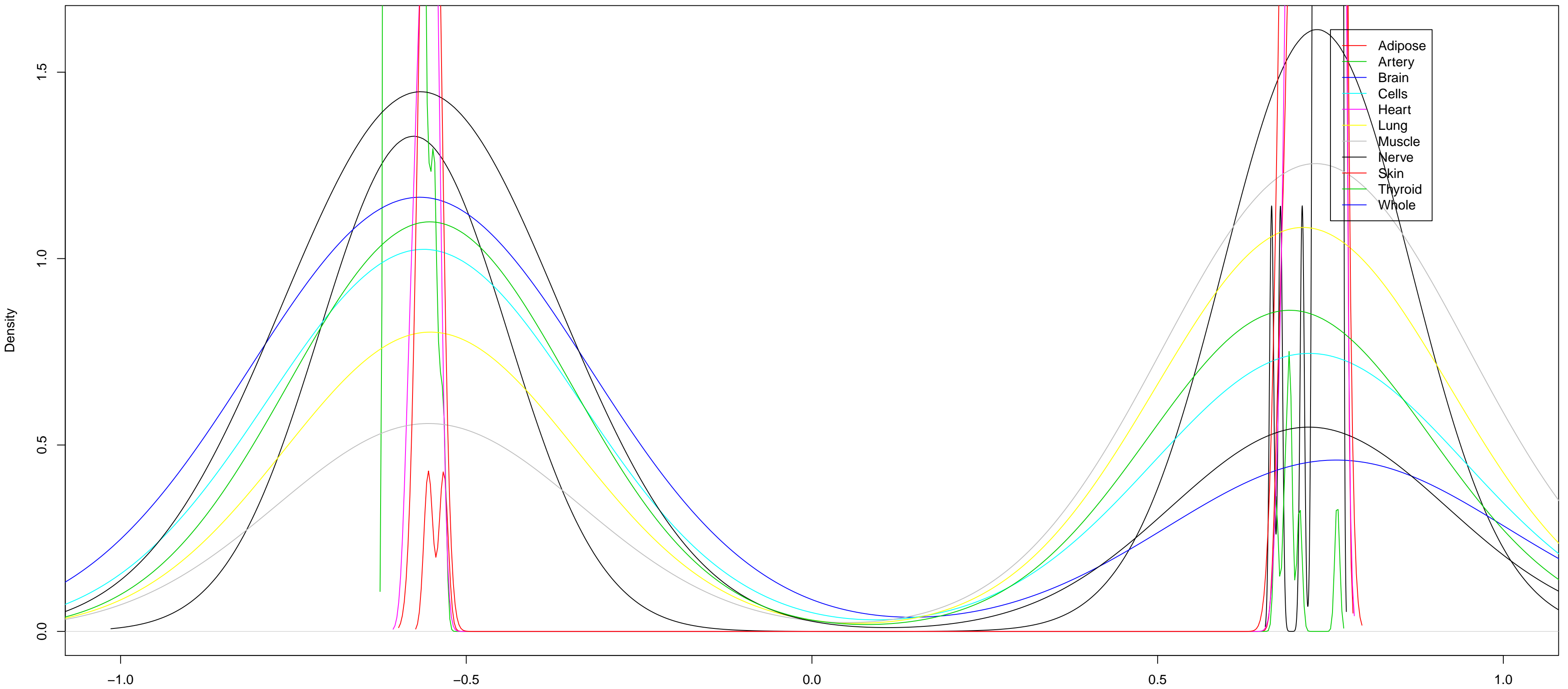


N = 1660 Bandwidth = 0.1227  
p-value(ANNOVA): 0 p-value(Kruskal): 0

phosphoSHC\_activated\_insulin\_receptor\_plasma\_membrane\_

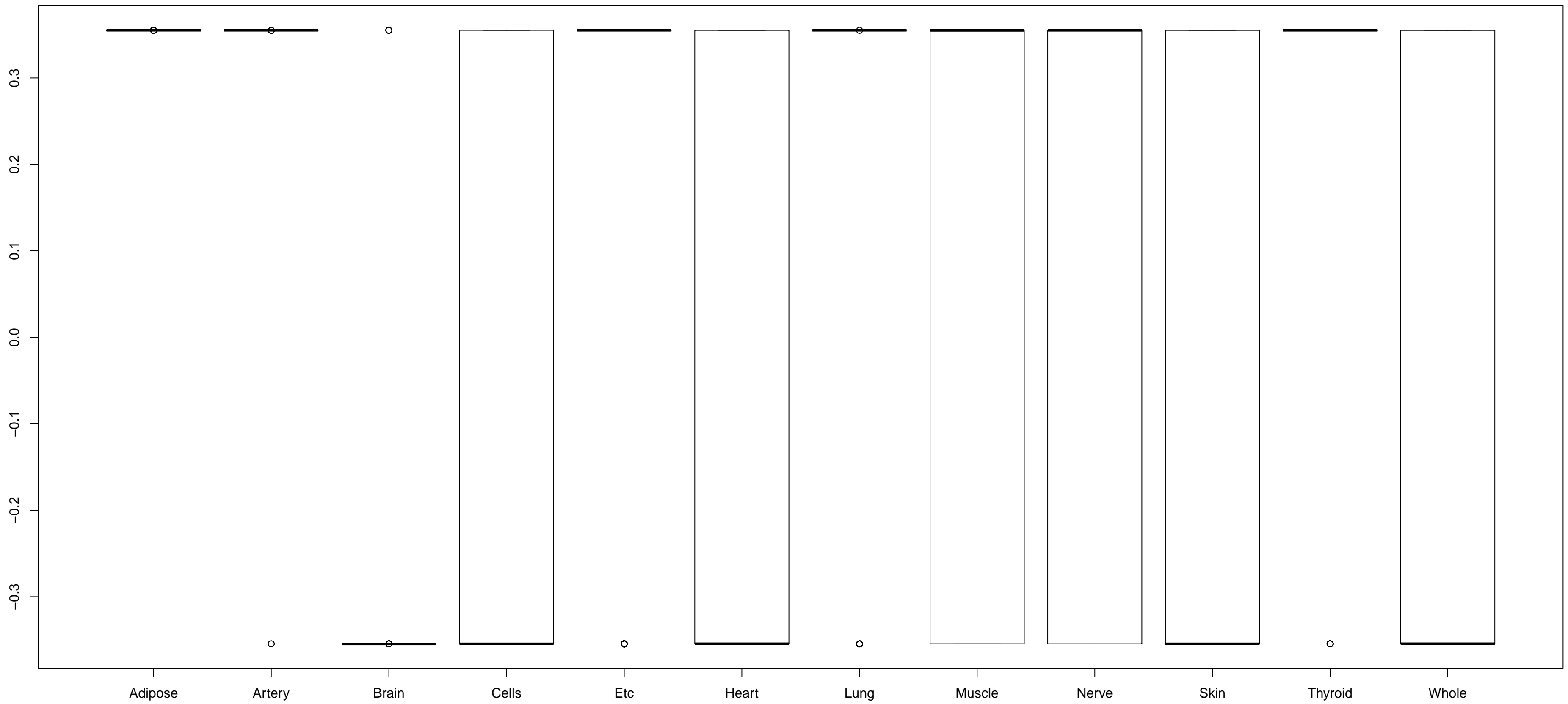


phosphoSHC\_activated\_insulin\_receptor\_plasma\_membrane\_

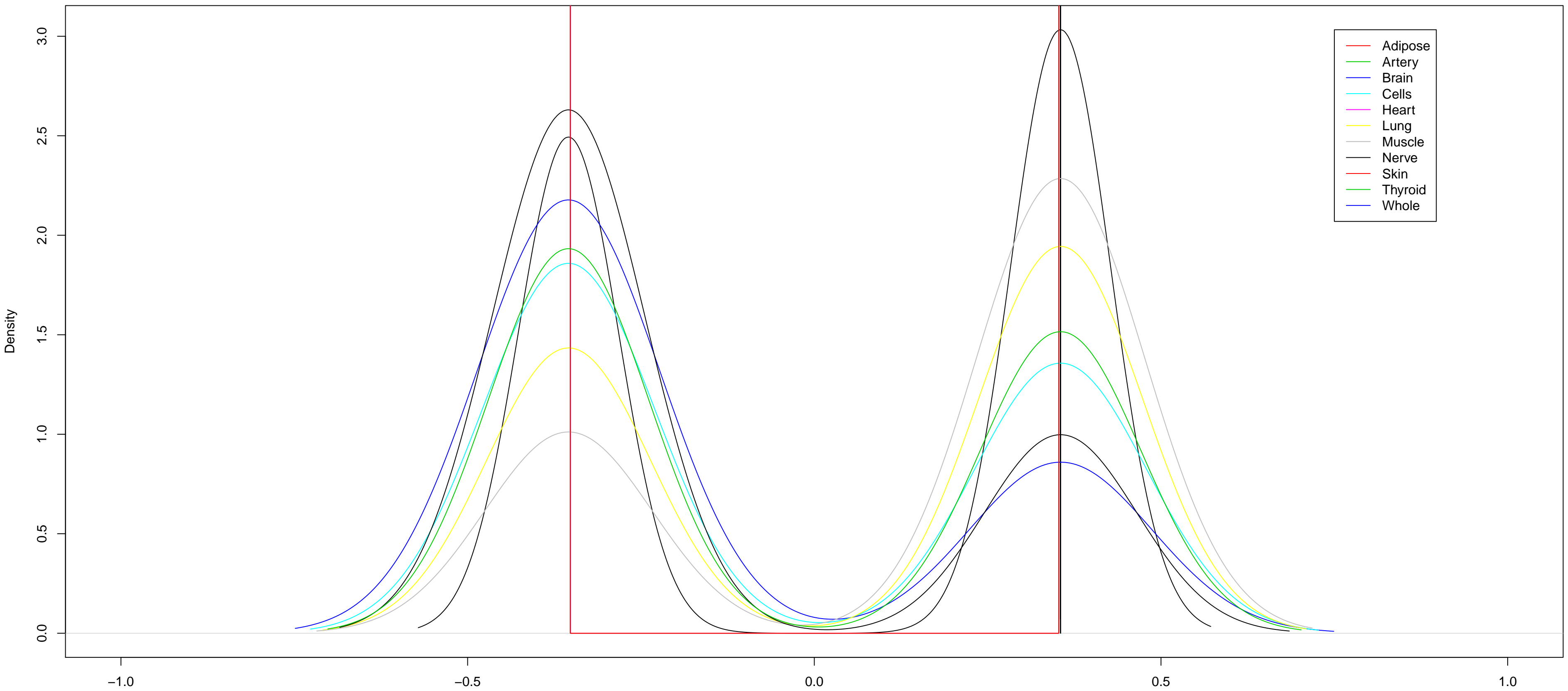


N = 1660 Bandwidth = 0.1329  
p-value(ANNOVA): 0 p-value(Kruskal): 0

phosphoinsulin\_receptor\_endosome\_membrane\_

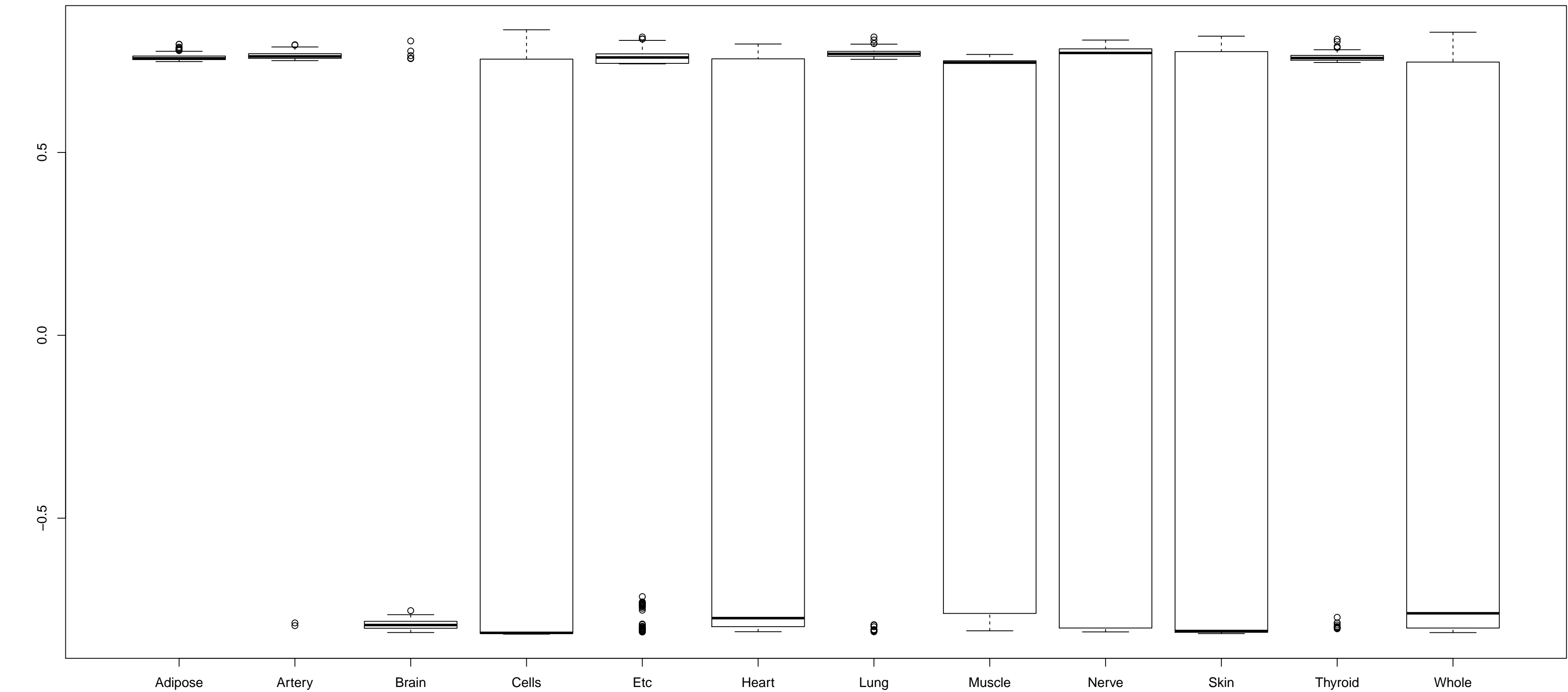


phosphoinsulin\_receptor\_endosome\_membrane\_

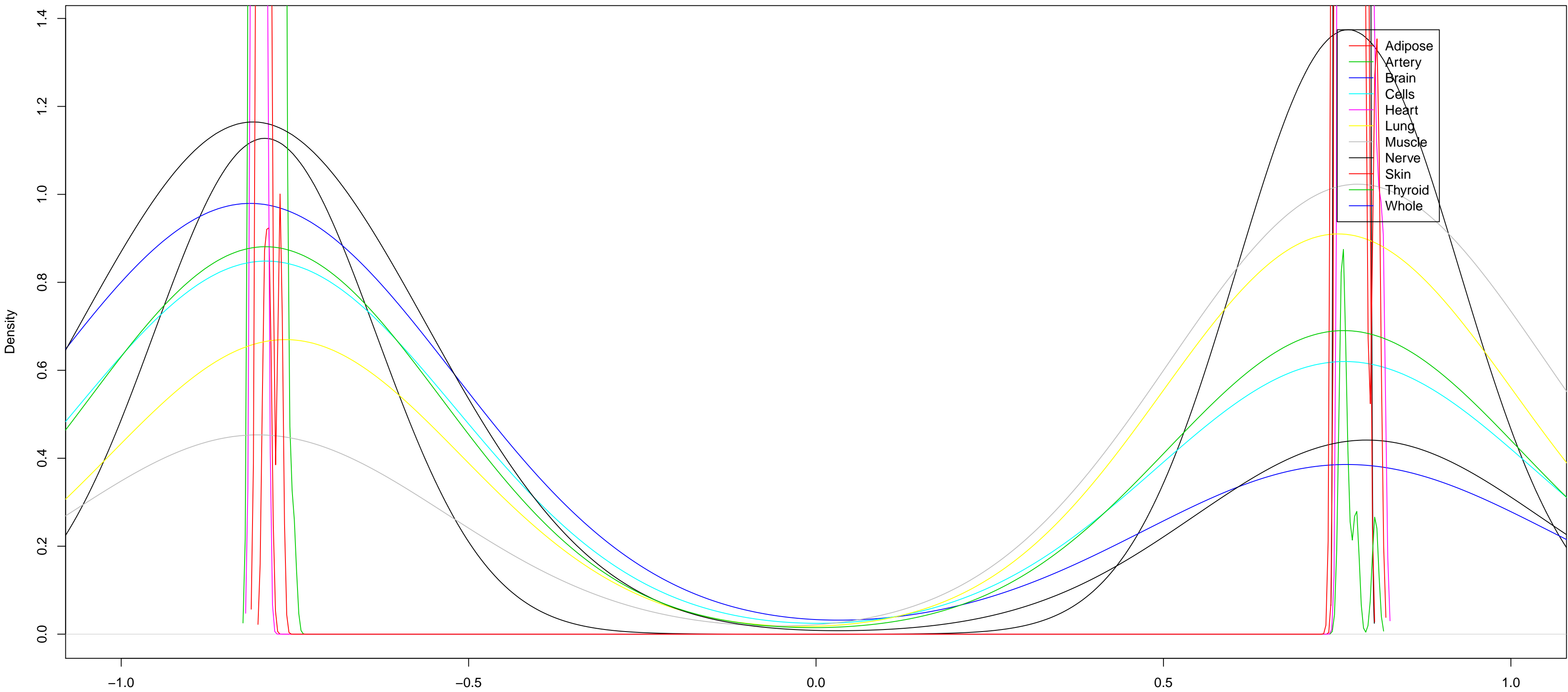


N = 1660 Bandwidth = 0.07217  
p-value(ANNOVA): 0 p-value(Kruskal): 0

transmembrane\_receptor\_protein\_tyrosine\_kinase\_activity\_of\_IRS\_activated\_insulin\_receptor\_plasma\_membrane\_



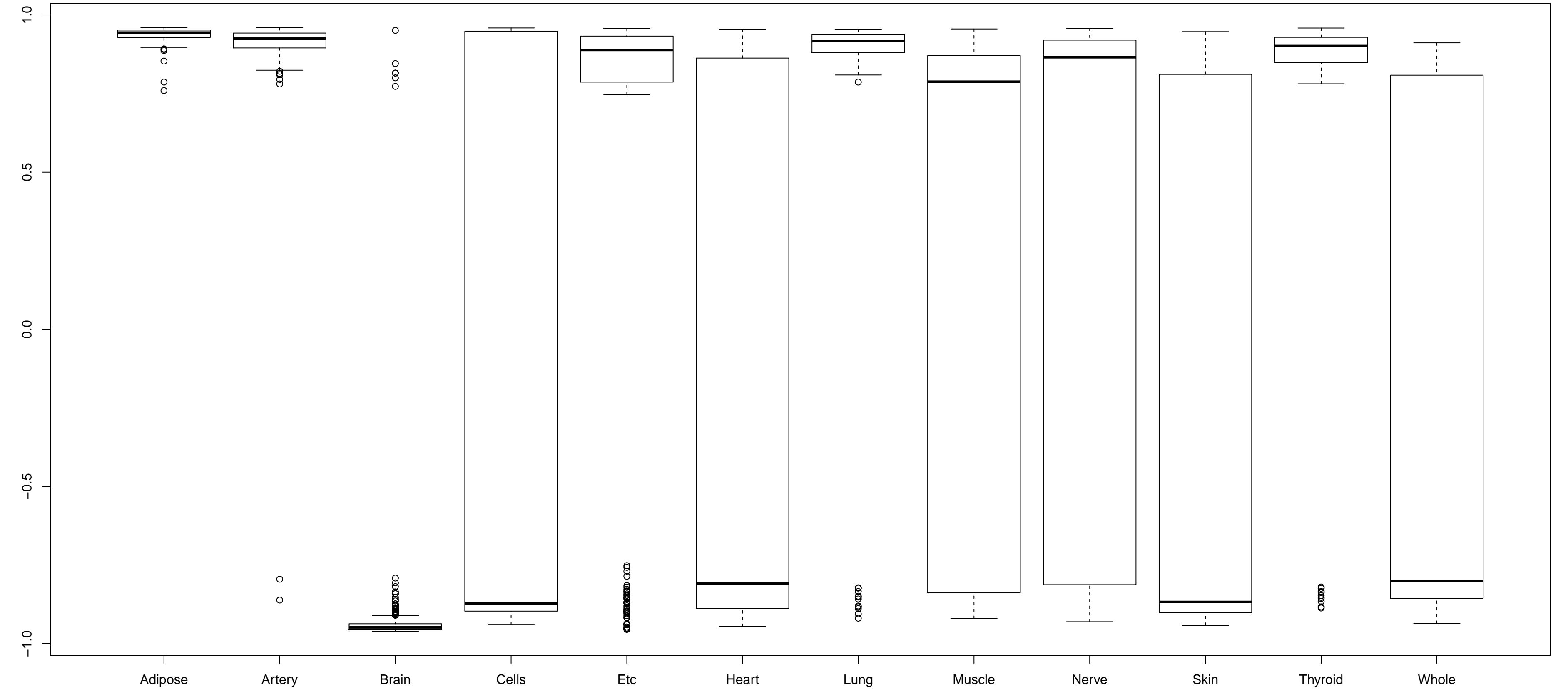
transmembrane\_receptor\_protein\_tyrosine\_kinase\_activity\_of\_IRS\_activated\_insulin\_receptor\_plasma\_membrane\_



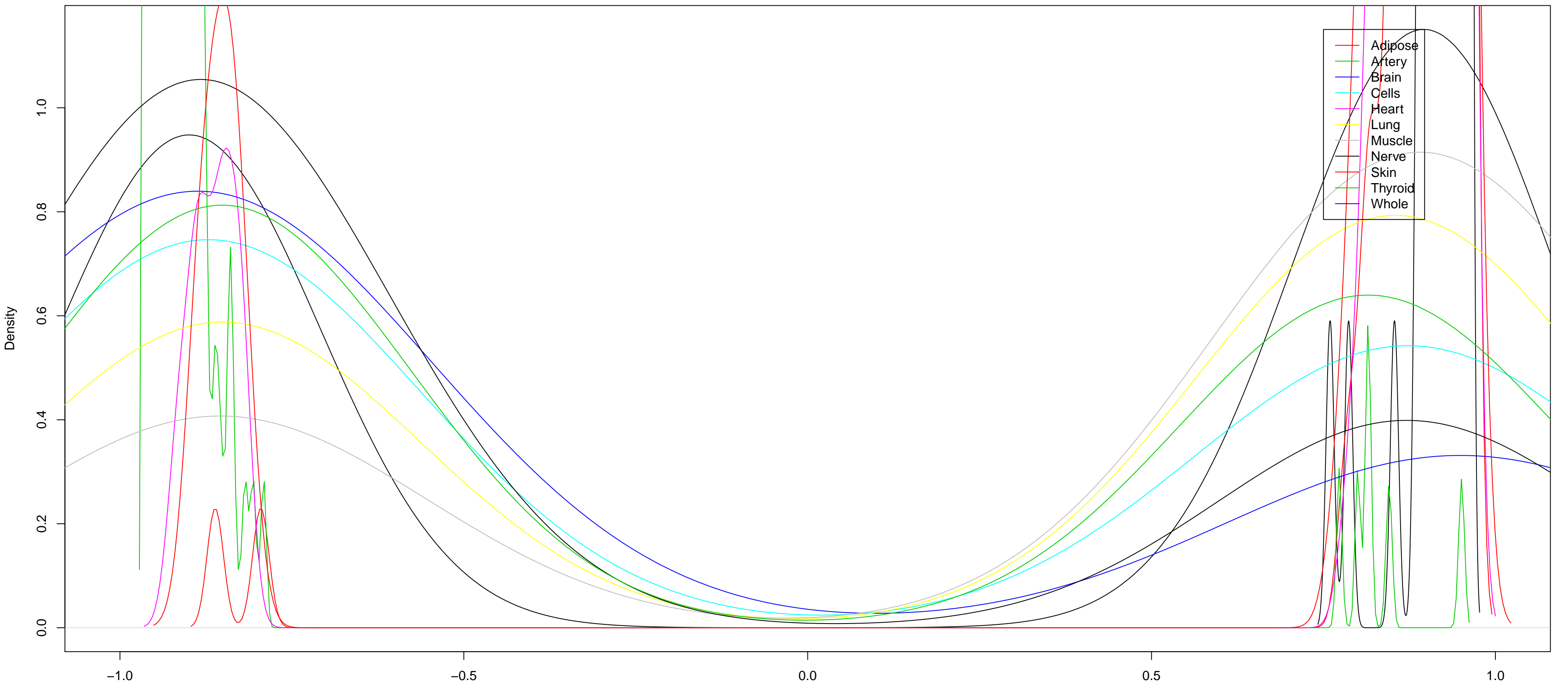
N = 1660 Bandwidth = 0.1585  
p-value(ANNOVA): 0 p-value(Kruskal): 0



transmembrane\_receptor\_protein\_tyrosine\_kinase\_activity\_of\_SHC\_activated\_insulin\_receptor\_plasma\_membrane\_

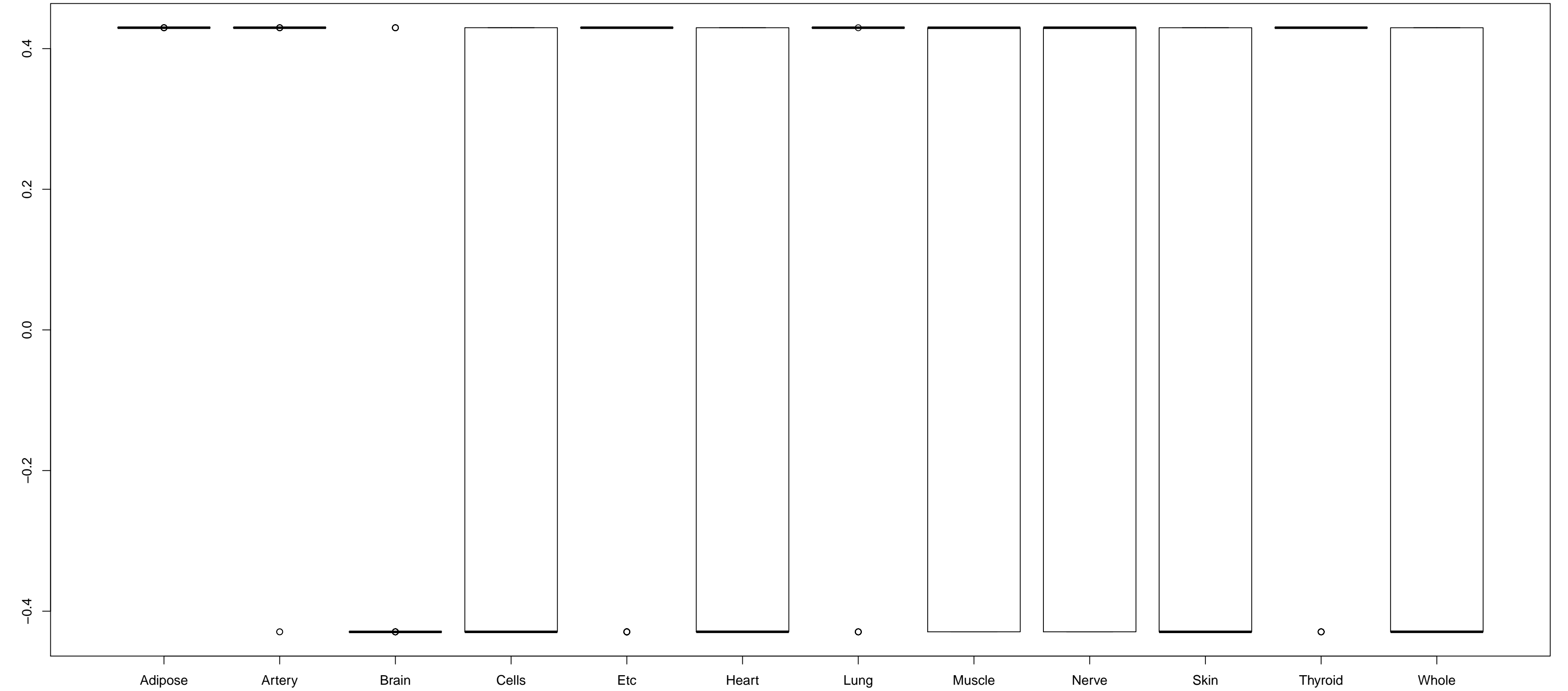


transmembrane\_receptor\_protein\_tyrosine\_kinase\_activity\_of\_SHC\_activated\_insulin\_receptor\_plasma\_membrane\_

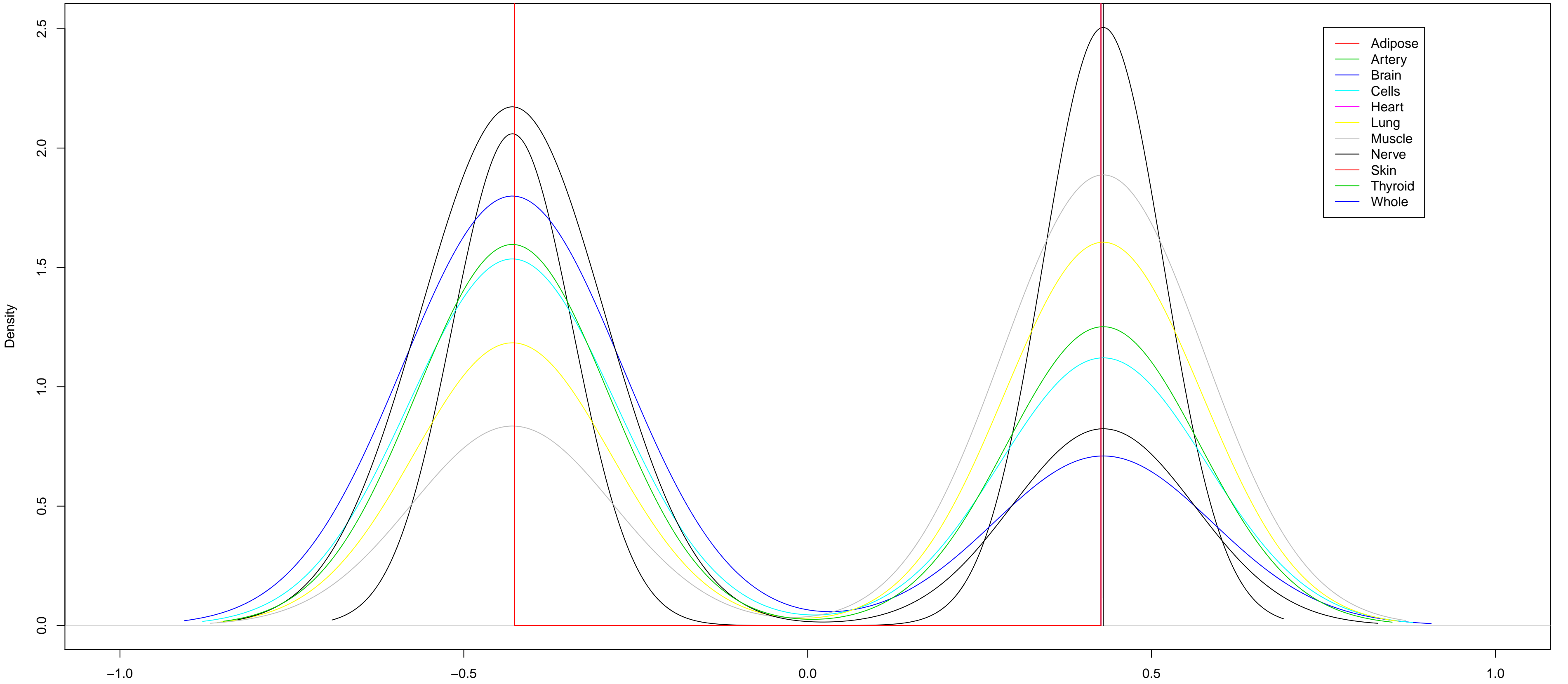


N = 1660 Bandwidth = 0.1825  
p-value(ANNOVA): 0 p-value(Kruskal): 0

transmembrane\_receptor\_protein\_tyrosine\_kinase\_activity\_of\_insulin\_insulin\_receptor\_plasma\_membrane\_



transmembrane\_receptor\_protein\_tyrosine\_kinase\_activity\_of\_insulin\_insulin\_receptor\_plasma\_membrane\_



N = 1660 Bandwidth = 0.08736  
p-value(ANNOVA): 0 p-value(Kruskal): 0