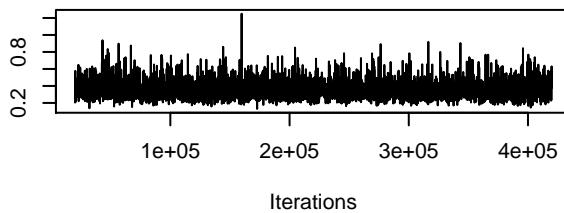
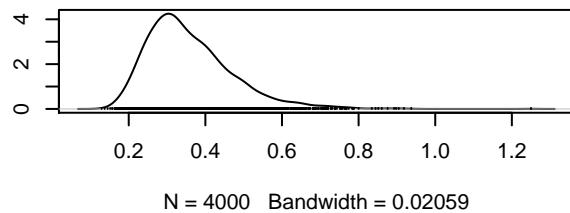


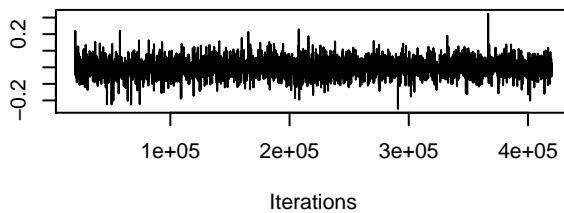
**Trace of (Intercept):(Intercept).CollarID**



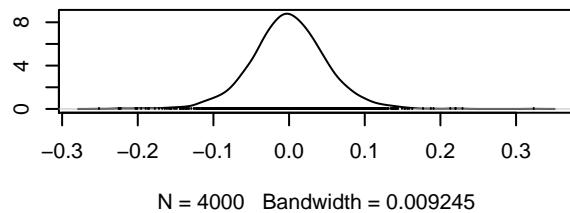
**Density of (Intercept):(Intercept).CollarID**



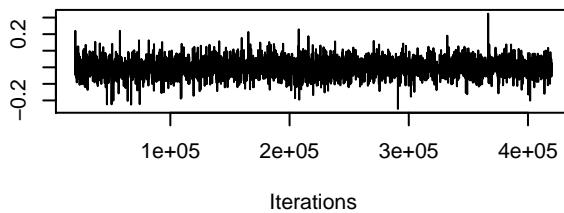
**Trace of underPCA\_s:(Intercept).CollarID**



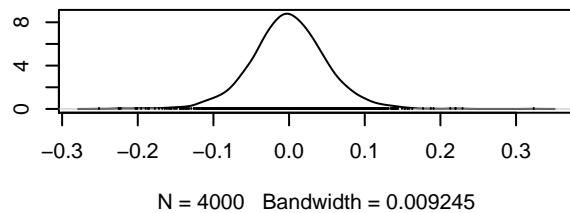
**Density of underPCA\_s:(Intercept).CollarID**



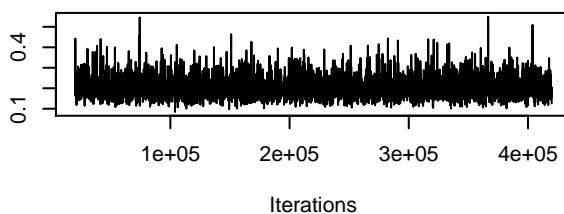
**Trace of (Intercept):underPCA\_s.CollarID**



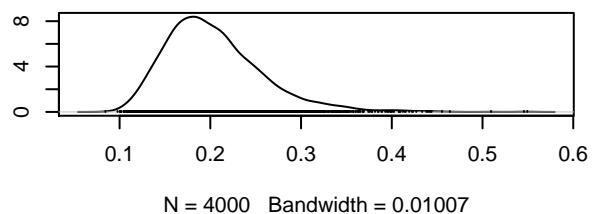
**Density of (Intercept):underPCA\_s.CollarID**



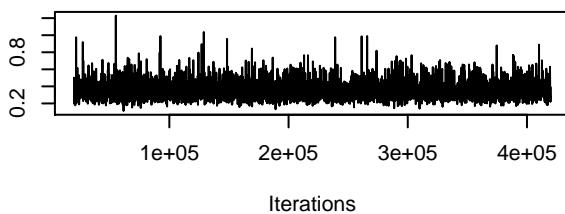
**Trace of underPCA\_s:underPCA\_s.CollarID**



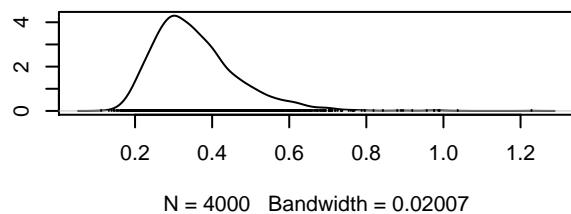
**Density of underPCA\_s:underPCA\_s.CollarID**



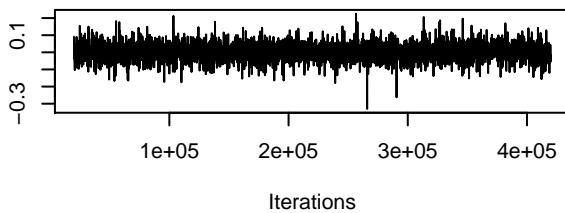
**Trace of (Intercept):(Intercept).CollarID**



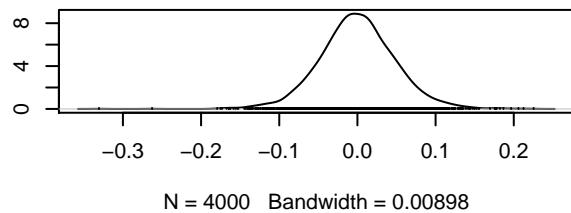
**Density of (Intercept):(Intercept).CollarID**



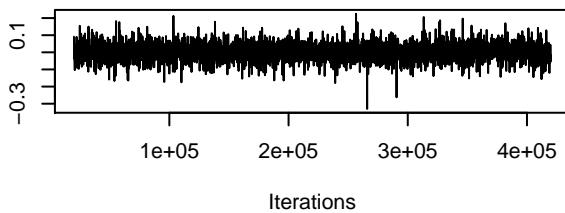
**Trace of overPCA\_s:(Intercept).CollarID**



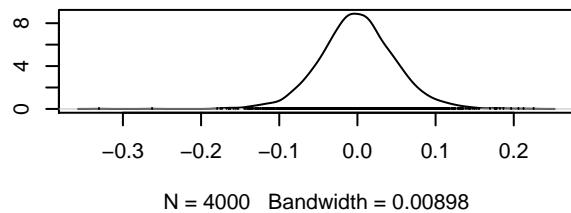
**Density of overPCA\_s:(Intercept).CollarID**



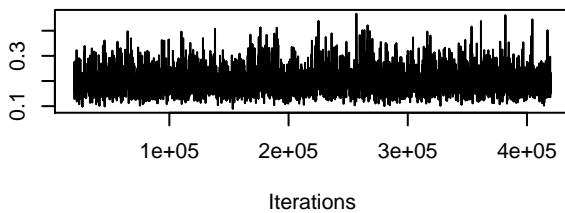
**Trace of (Intercept):overPCA\_s.CollarID**



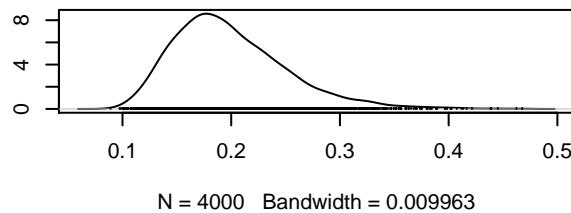
**Density of (Intercept):overPCA\_s.CollarID**



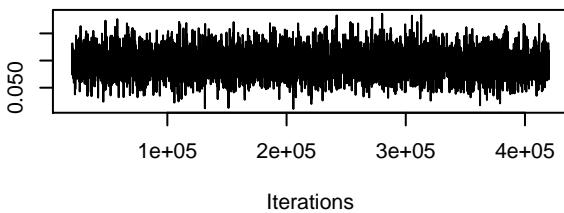
**Trace of overPCA\_s:overPCA\_s.CollarID**



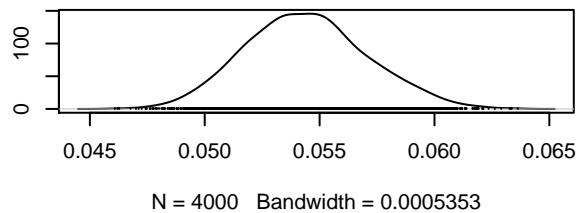
**Density of overPCA\_s:overPCA\_s.CollarID**

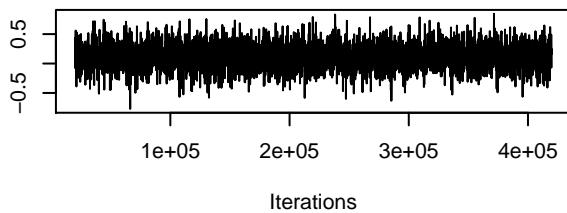
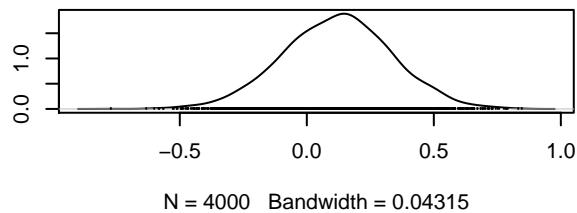
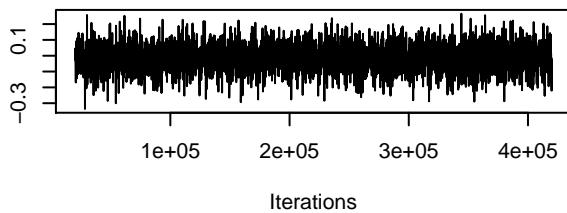
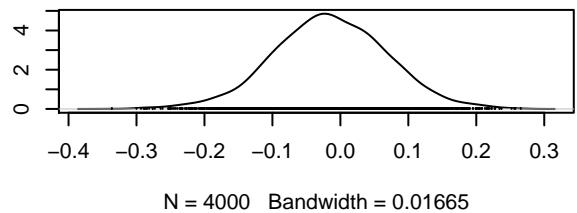
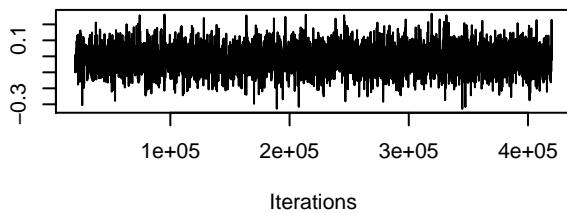
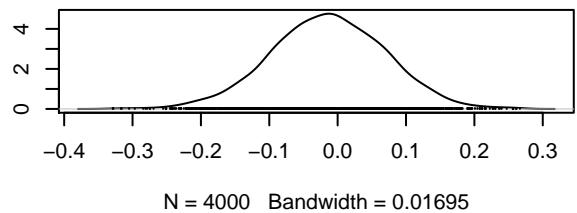
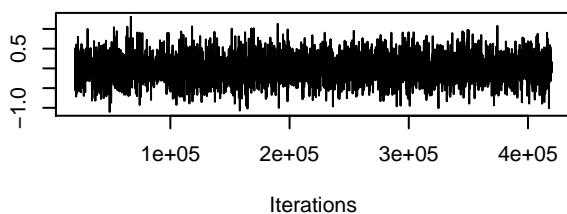
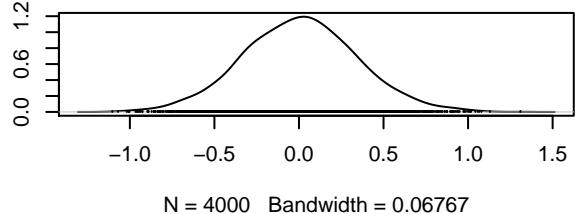


**Trace of units**

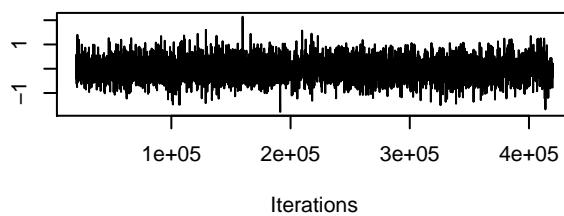


**Density of units**

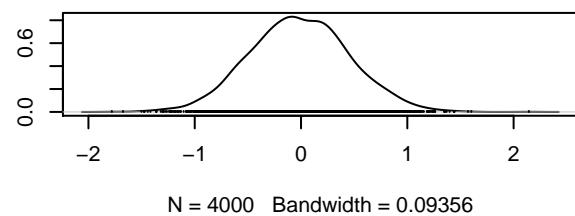


**Trace of (Intercept)****Density of (Intercept)****Trace of overPCA\_s****Density of overPCA\_s****Trace of underPCA\_s****Density of underPCA\_s****Trace of SexM****Density of SexM**

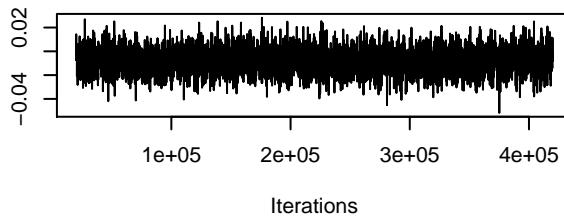
**Trace of SexUnknown**



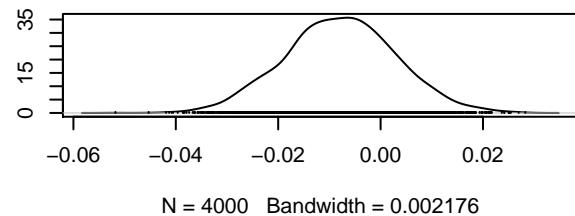
**Density of SexUnknown**



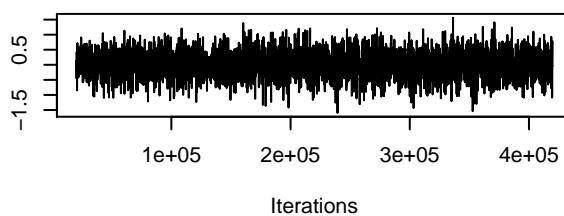
**Trace of overPCA\_s:underPCA\_s**



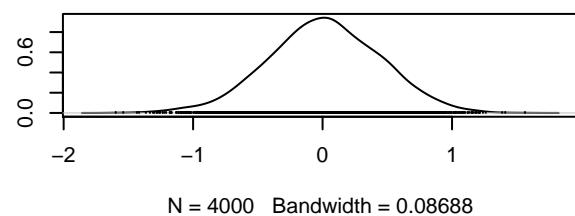
**Density of overPCA\_s:underPCA\_s**



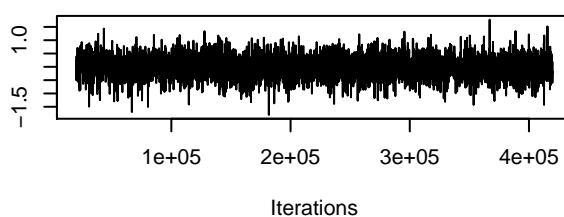
**Trace of (Intercept).CollarID.149.093**



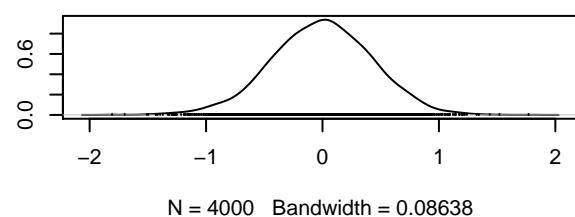
**Density of (Intercept).CollarID.149.093**



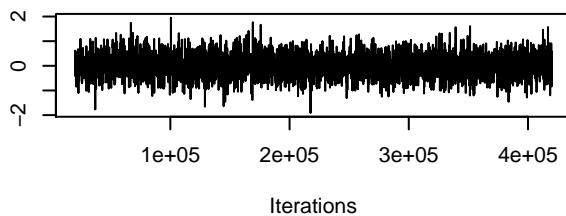
**Trace of (Intercept).CollarID.149.124**



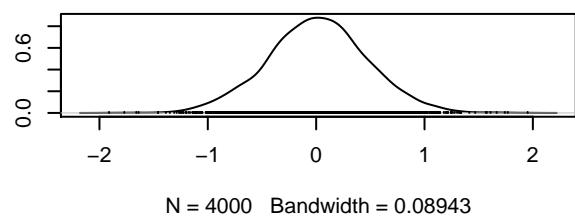
**Density of (Intercept).CollarID.149.124**



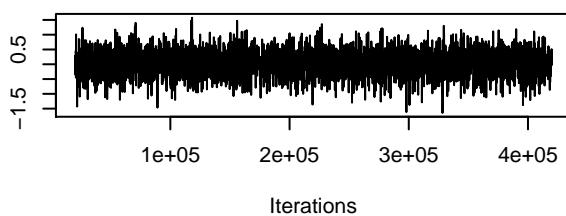
**Trace of (Intercept).CollarID.149.213**



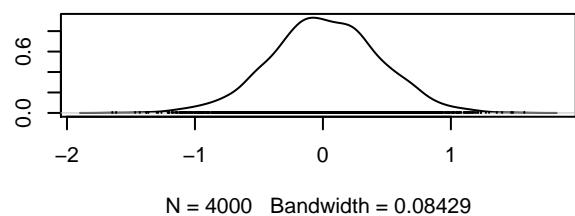
**Density of (Intercept).CollarID.149.213**



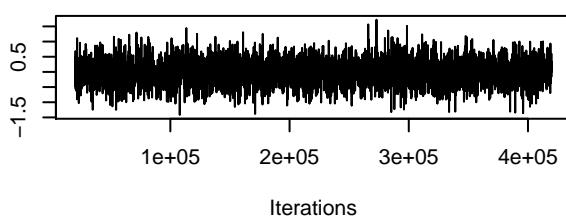
**Trace of (Intercept).CollarID.149.233**



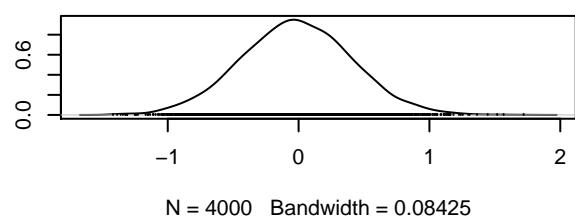
**Density of (Intercept).CollarID.149.233**



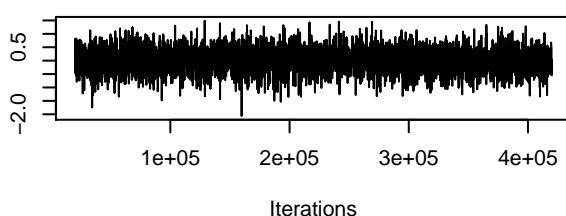
**Trace of (Intercept).CollarID.149.294**



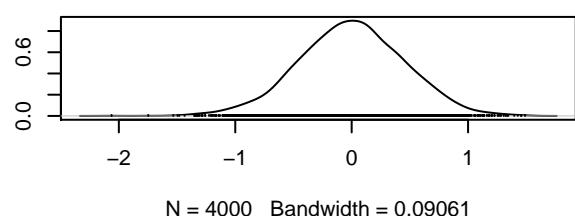
**Density of (Intercept).CollarID.149.294**



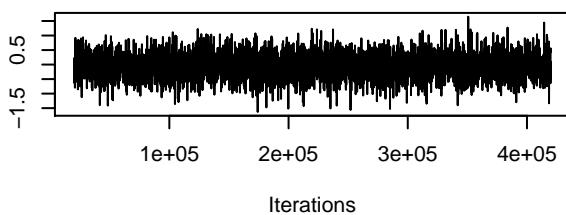
**Trace of (Intercept).CollarID.149.394**



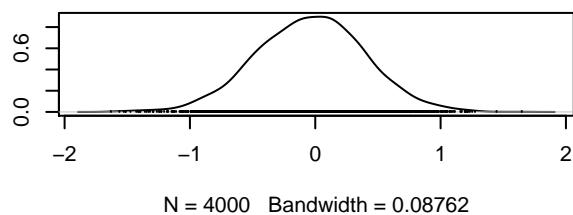
**Density of (Intercept).CollarID.149.394**



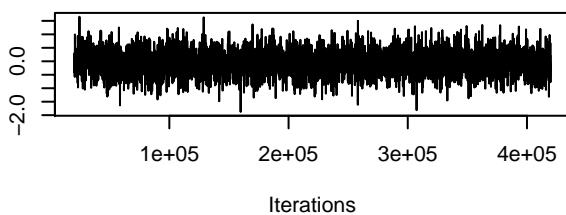
**Trace of (Intercept).CollarID.149.423**



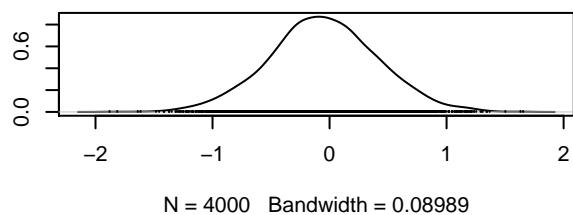
**Density of (Intercept).CollarID.149.423**



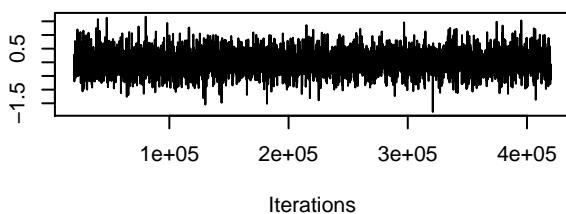
**Trace of (Intercept).CollarID.149.452**



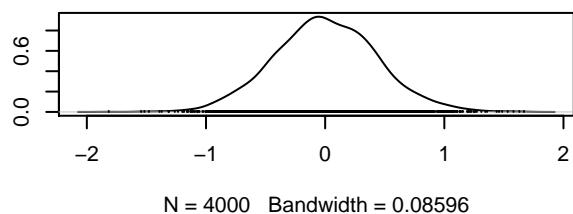
**Density of (Intercept).CollarID.149.452**



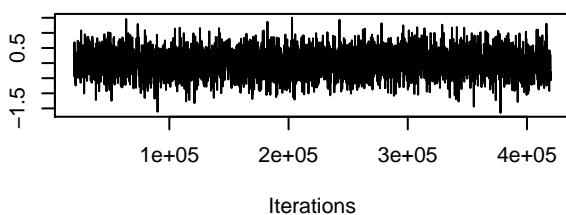
**Trace of (Intercept).CollarID.149.513**



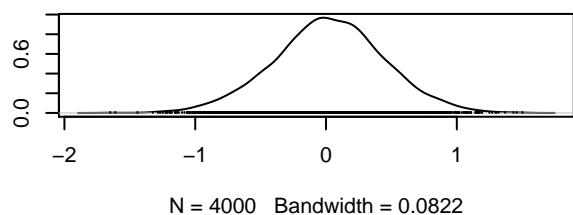
**Density of (Intercept).CollarID.149.513**



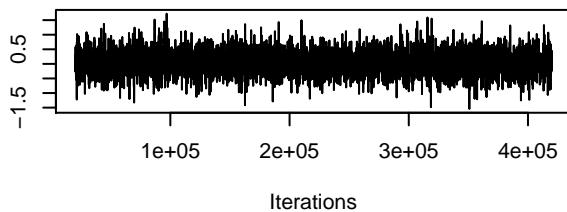
**Trace of (Intercept).CollarID.149.535**



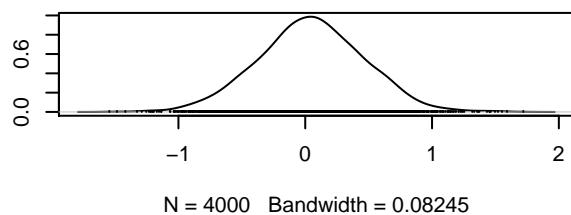
**Density of (Intercept).CollarID.149.535**



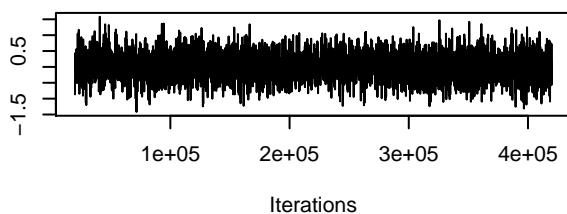
**Trace of (Intercept).CollarID.149.594**



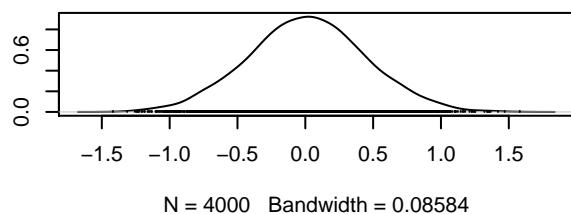
**Density of (Intercept).CollarID.149.594**



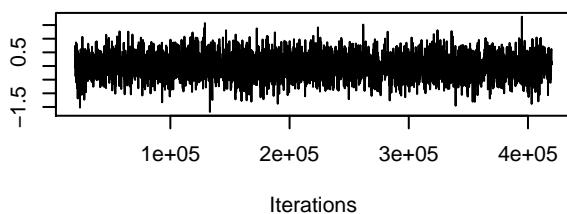
**Trace of (Intercept).CollarID.149.613**



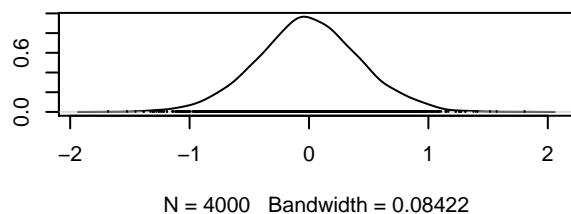
**Density of (Intercept).CollarID.149.613**



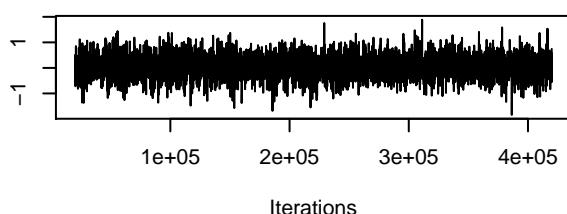
**Trace of (Intercept).CollarID.149.633**



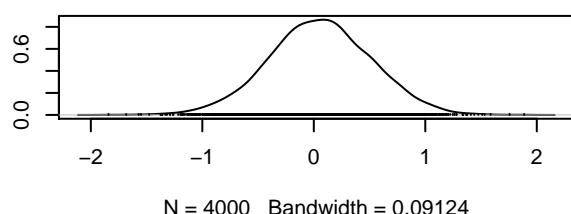
**Density of (Intercept).CollarID.149.633**



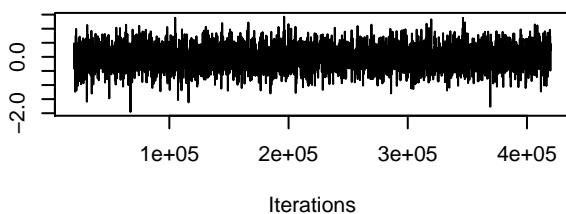
**Trace of (Intercept).CollarID.149.673**



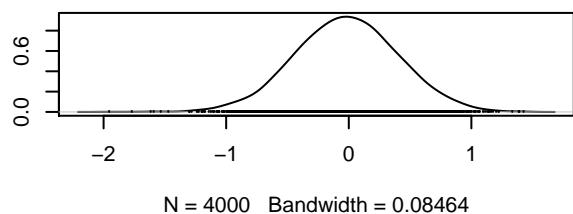
**Density of (Intercept).CollarID.149.673**



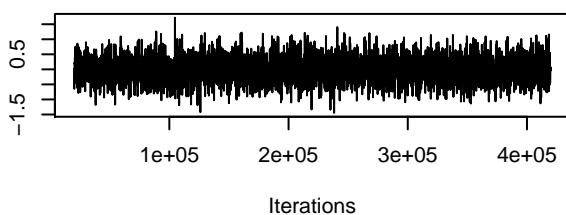
**Trace of (Intercept).CollarID.150.032**



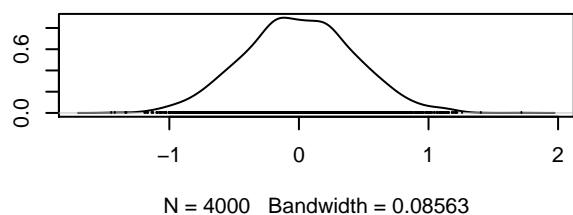
**Density of (Intercept).CollarID.150.032**



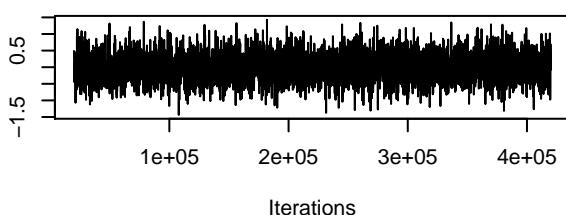
**Trace of (Intercept).CollarID.150.052**



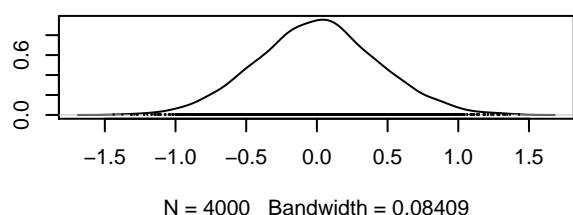
**Density of (Intercept).CollarID.150.052**



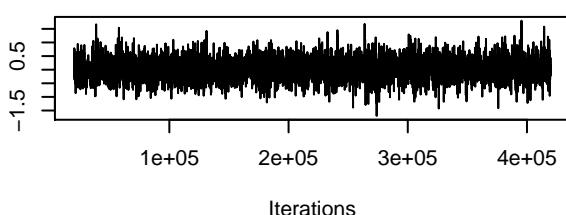
**Trace of (Intercept).CollarID.150.072**



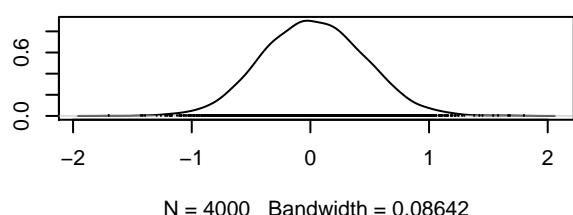
**Density of (Intercept).CollarID.150.072**



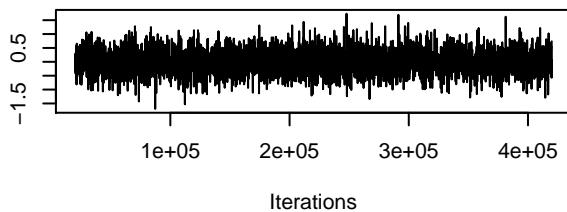
**Trace of (Intercept).CollarID.150.091**



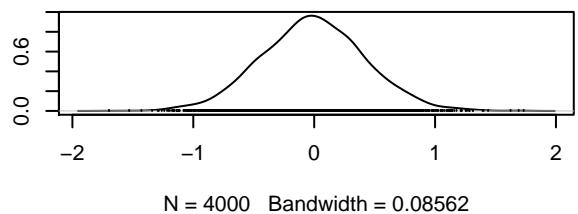
**Density of (Intercept).CollarID.150.091**



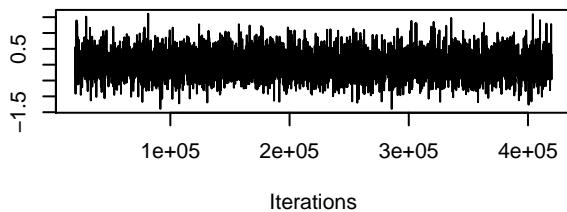
**Trace of (Intercept).CollarID.150.111**



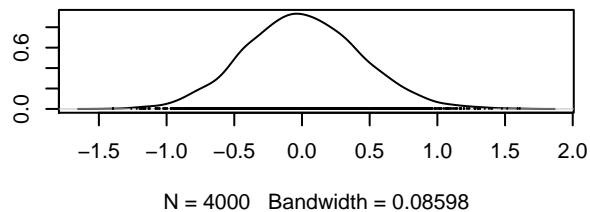
**Density of (Intercept).CollarID.150.111**



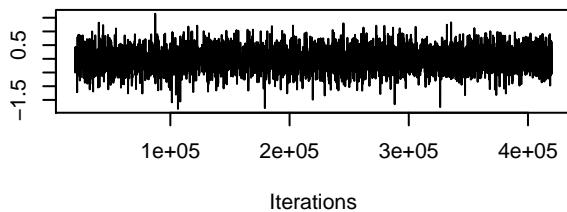
**Trace of (Intercept).CollarID.150.132**



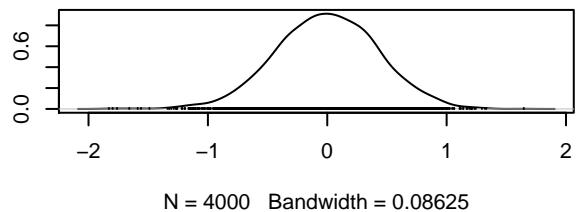
**Density of (Intercept).CollarID.150.132**



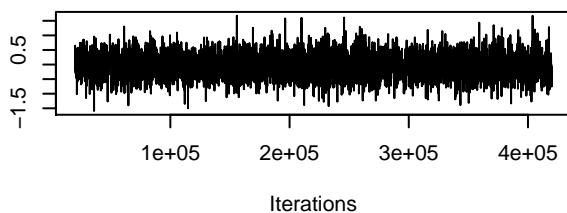
**Trace of (Intercept).CollarID.150.154**



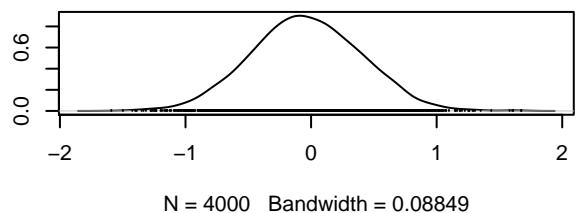
**Density of (Intercept).CollarID.150.154**



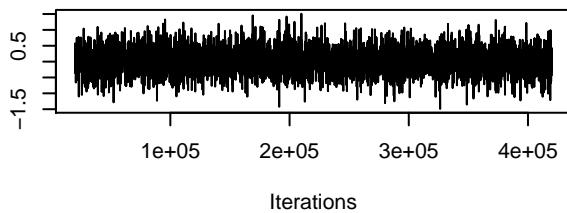
**Trace of (Intercept).CollarID.150.173**



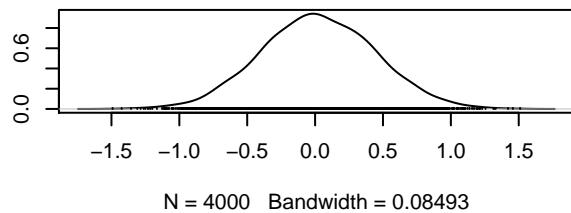
**Density of (Intercept).CollarID.150.173**



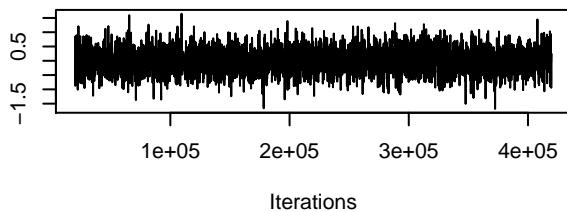
**Trace of (Intercept).CollarID.150.191**



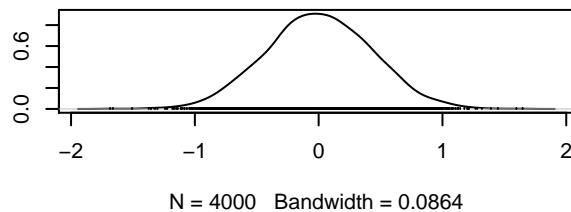
**Density of (Intercept).CollarID.150.191**



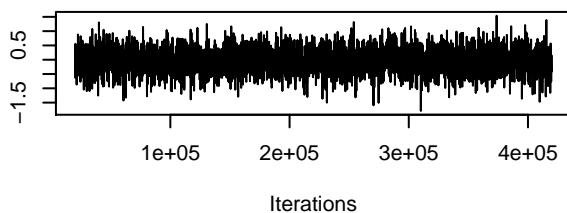
**Trace of (Intercept).CollarID.150.232**



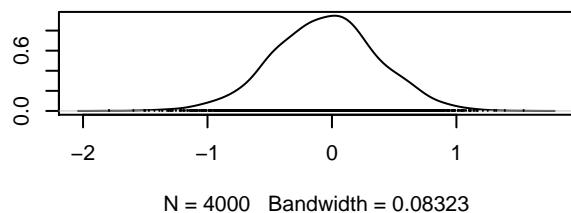
**Density of (Intercept).CollarID.150.232**



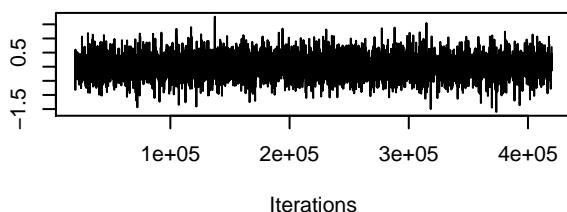
**Trace of (Intercept).CollarID.150.273**



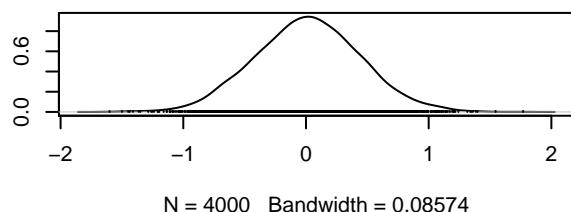
**Density of (Intercept).CollarID.150.273**



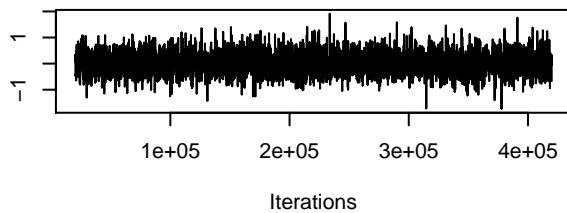
**Trace of (Intercept).CollarID.150.314**



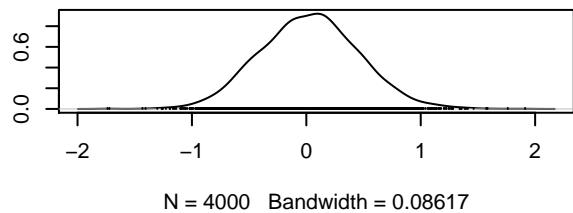
**Density of (Intercept).CollarID.150.314**



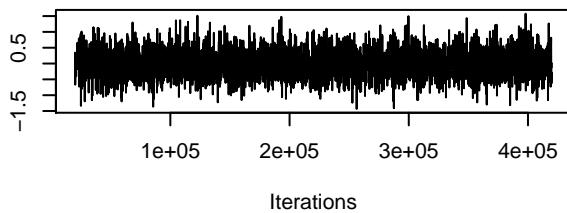
**Trace of (Intercept).CollarID.150.332**



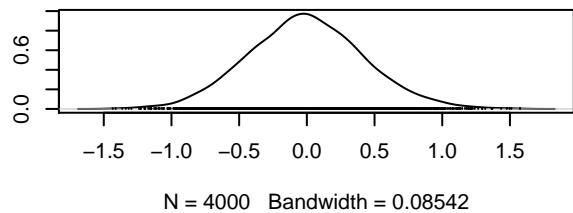
**Density of (Intercept).CollarID.150.332**



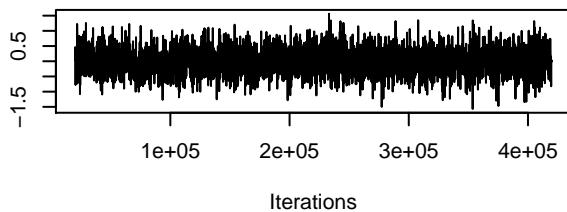
**Trace of (Intercept).CollarID.150.373**



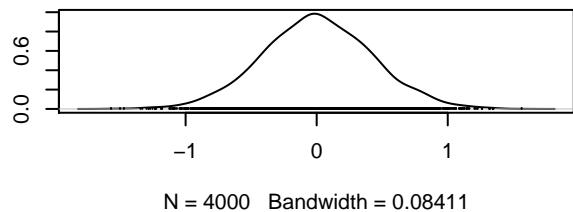
**Density of (Intercept).CollarID.150.373**



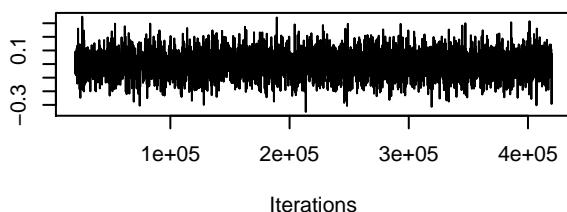
**Trace of (Intercept).CollarID.150.392**



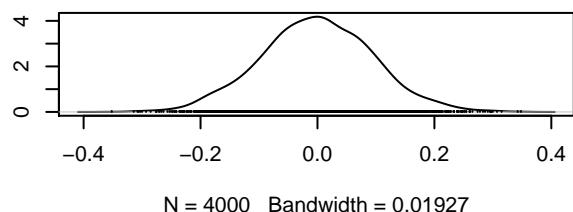
**Density of (Intercept).CollarID.150.392**



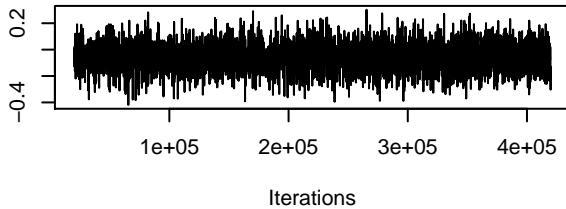
**Trace of underPCA\_s.CollarID.149.093**



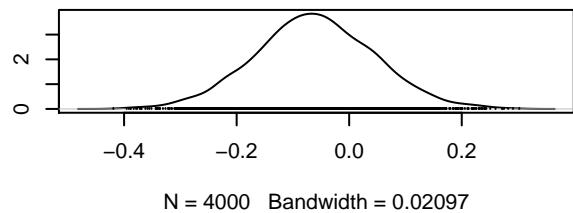
**Density of underPCA\_s.CollarID.149.093**



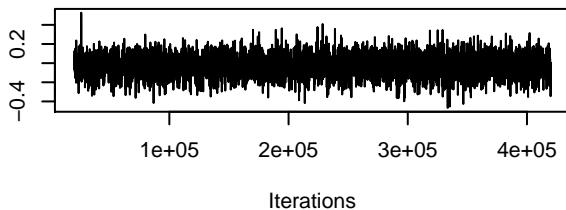
**Trace of underPCA\_s.CollarID.149.124**



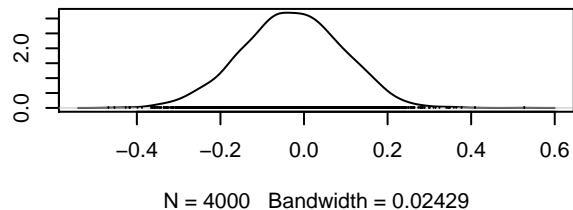
**Density of underPCA\_s.CollarID.149.124**



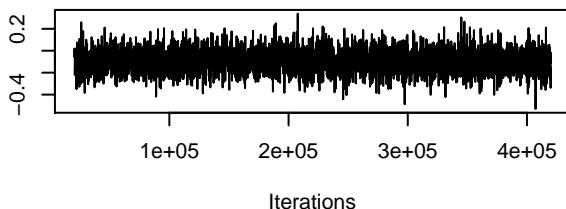
**Trace of underPCA\_s.CollarID.149.213**



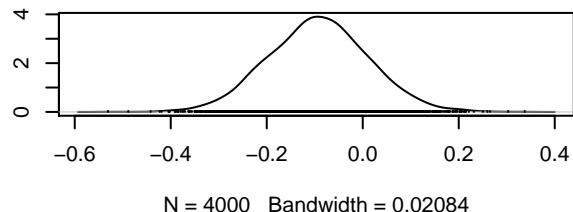
**Density of underPCA\_s.CollarID.149.213**



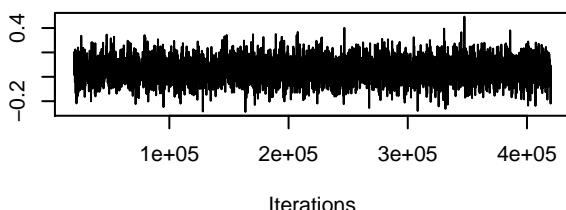
**Trace of underPCA\_s.CollarID.149.233**



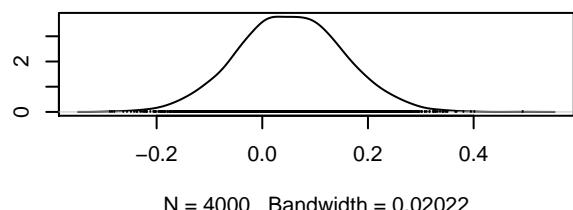
**Density of underPCA\_s.CollarID.149.233**



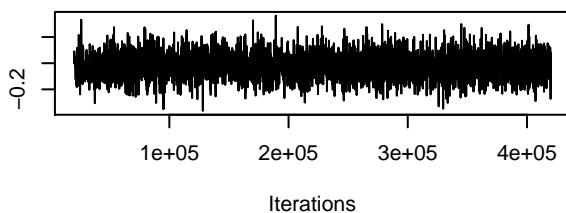
**Trace of underPCA\_s.CollarID.149.294**



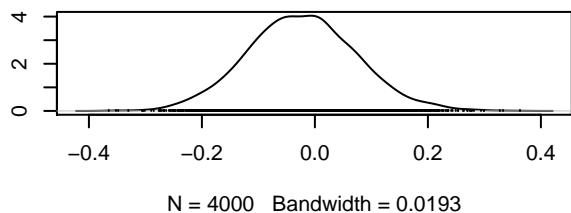
**Density of underPCA\_s.CollarID.149.294**



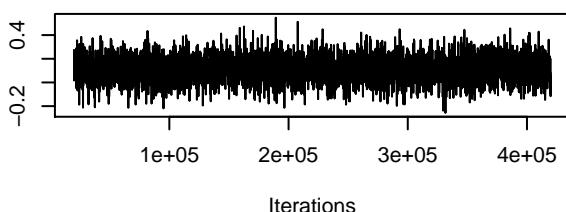
**Trace of underPCA\_s.CollarID.149.394**



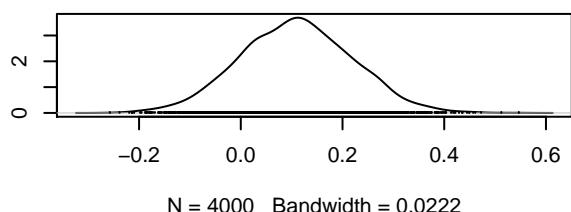
**Density of underPCA\_s.CollarID.149.394**



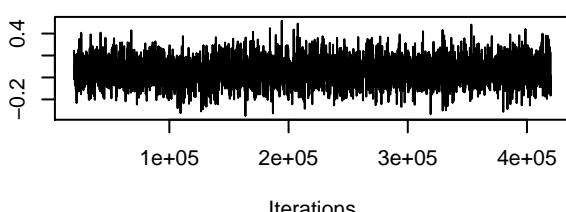
**Trace of underPCA\_s.CollarID.149.423**



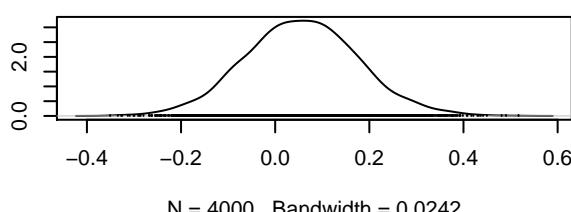
**Density of underPCA\_s.CollarID.149.423**



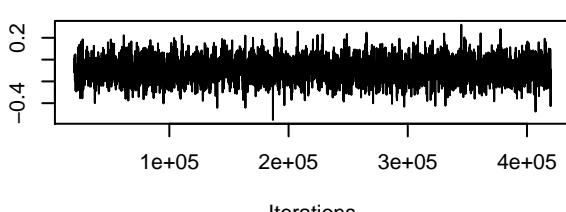
**Trace of underPCA\_s.CollarID.149.452**



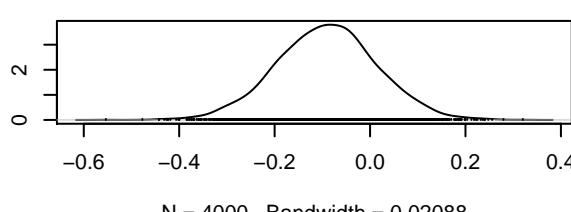
**Density of underPCA\_s.CollarID.149.452**



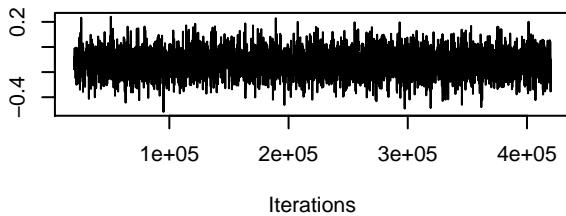
**Trace of underPCA\_s.CollarID.149.513**



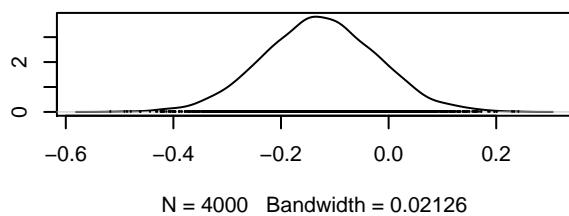
**Density of underPCA\_s.CollarID.149.513**



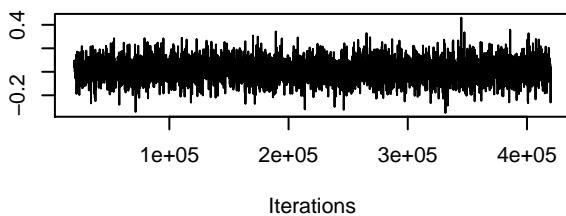
**Trace of underPCA\_s.CollarID.149.535**



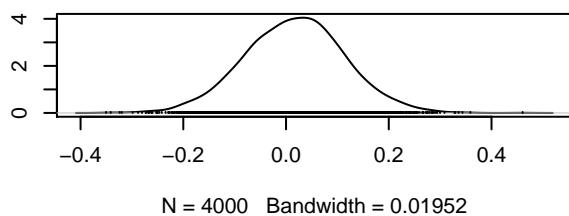
**Density of underPCA\_s.CollarID.149.535**



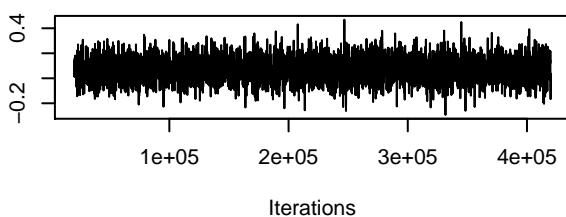
**Trace of underPCA\_s.CollarID.149.594**



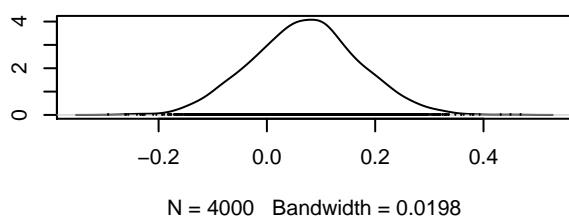
**Density of underPCA\_s.CollarID.149.594**



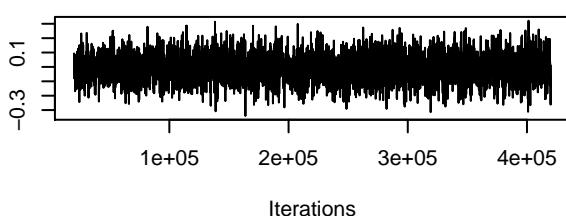
**Trace of underPCA\_s.CollarID.149.613**



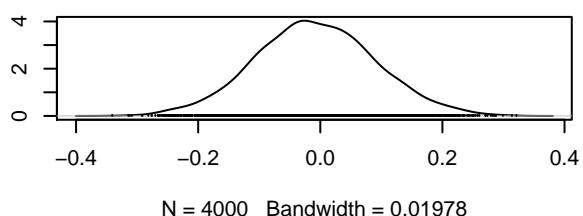
**Density of underPCA\_s.CollarID.149.613**



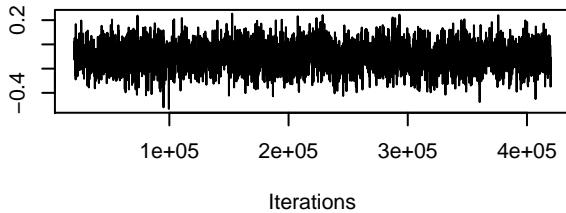
**Trace of underPCA\_s.CollarID.149.633**



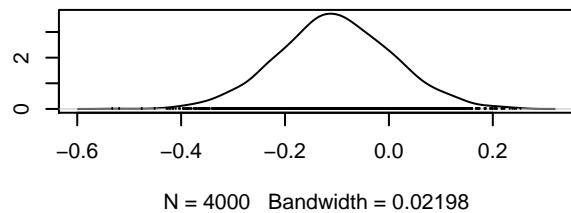
**Density of underPCA\_s.CollarID.149.633**



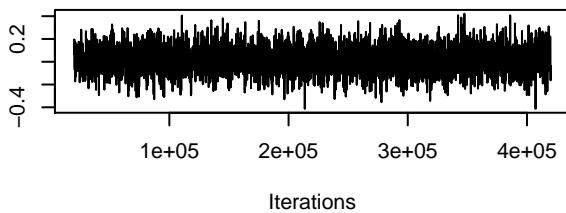
**Trace of underPCA\_s.CollarID.149.673**



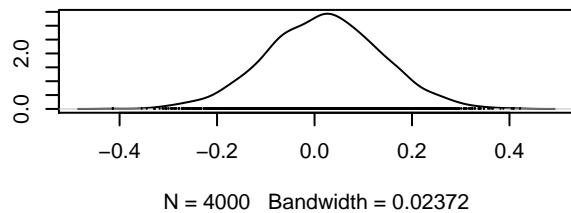
**Density of underPCA\_s.CollarID.149.673**



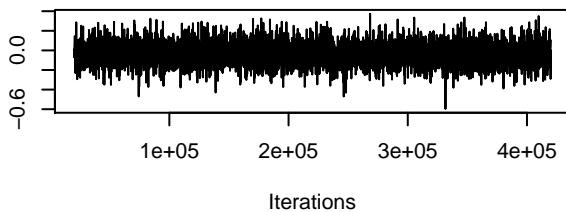
**Trace of underPCA\_s.CollarID.150.032**



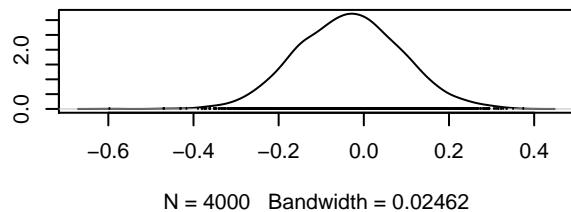
**Density of underPCA\_s.CollarID.150.032**



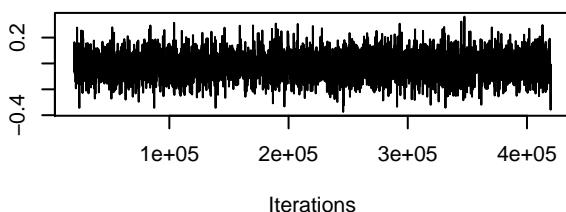
**Trace of underPCA\_s.CollarID.150.052**



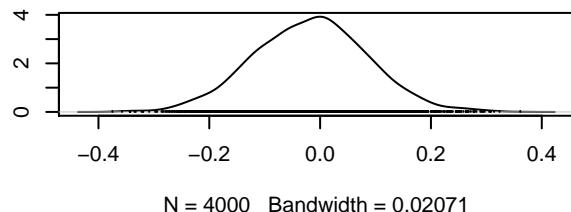
**Density of underPCA\_s.CollarID.150.052**



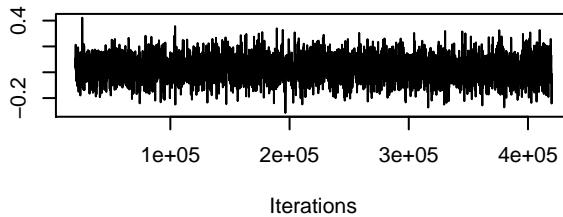
**Trace of underPCA\_s.CollarID.150.072**



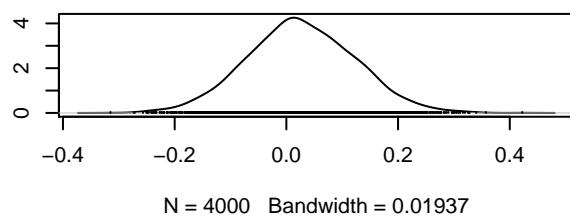
**Density of underPCA\_s.CollarID.150.072**



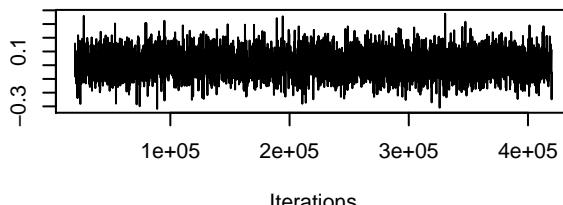
**Trace of underPCA\_s.CollarID.150.091**



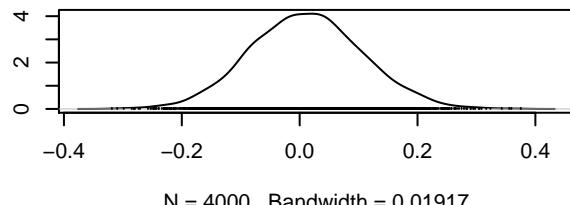
**Density of underPCA\_s.CollarID.150.091**



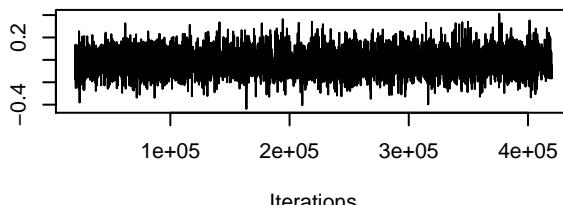
**Trace of underPCA\_s.CollarID.150.111**



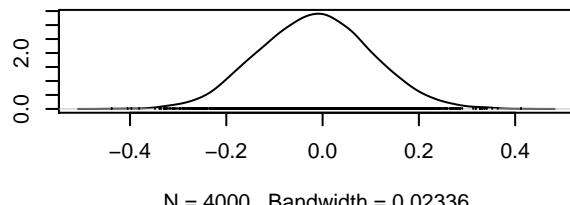
**Density of underPCA\_s.CollarID.150.111**



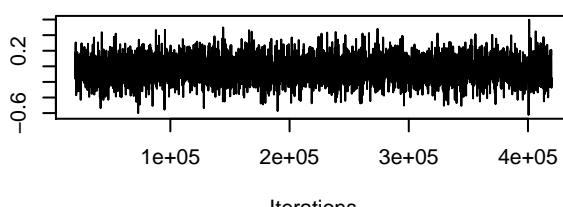
**Trace of underPCA\_s.CollarID.150.132**



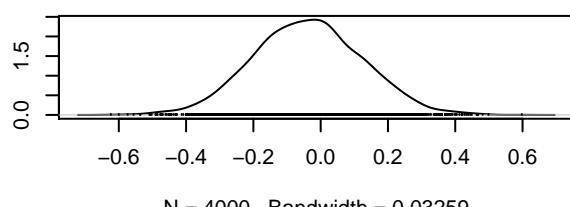
**Density of underPCA\_s.CollarID.150.132**



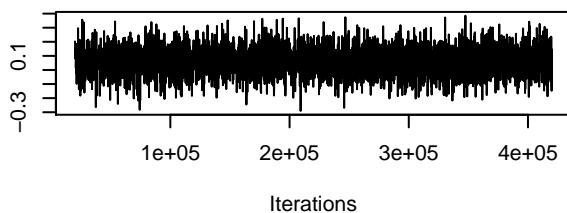
**Trace of underPCA\_s.CollarID.150.154**



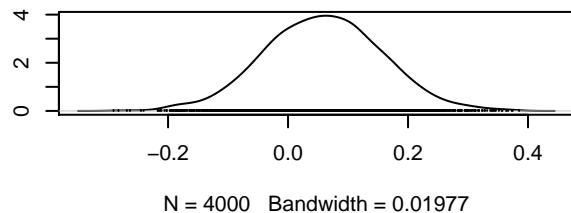
**Density of underPCA\_s.CollarID.150.154**



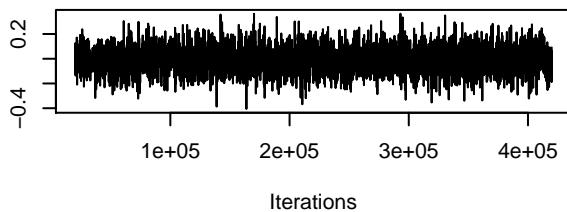
**Trace of underPCA\_s.CollarID.150.173**



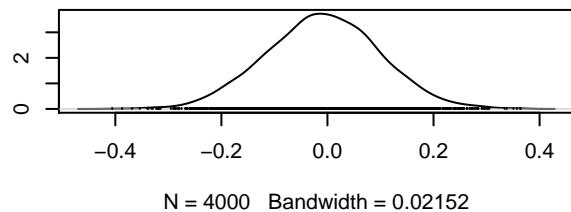
**Density of underPCA\_s.CollarID.150.173**



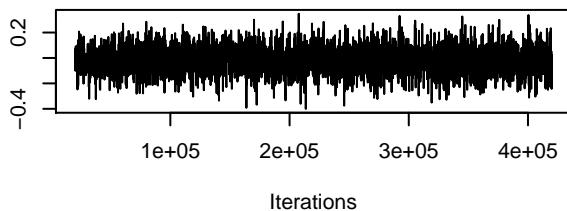
**Trace of underPCA\_s.CollarID.150.191**



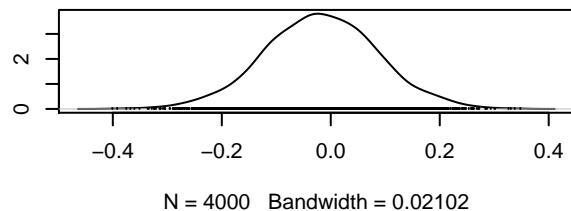
**Density of underPCA\_s.CollarID.150.191**



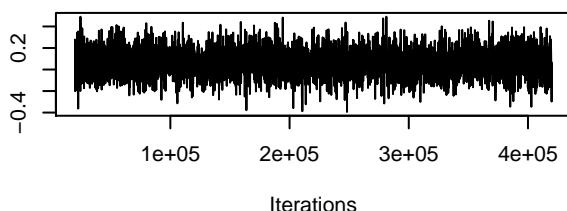
**Trace of underPCA\_s.CollarID.150.232**



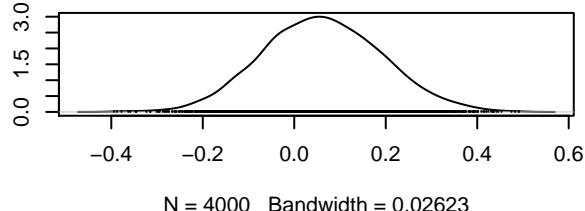
**Density of underPCA\_s.CollarID.150.232**



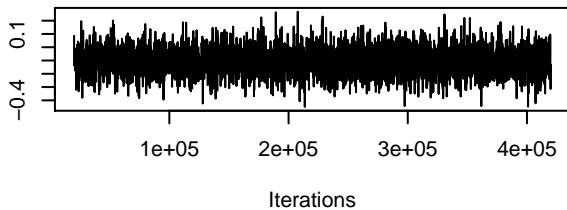
**Trace of underPCA\_s.CollarID.150.273**



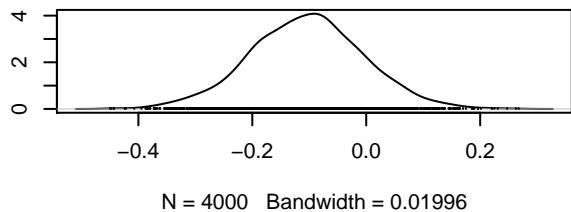
**Density of underPCA\_s.CollarID.150.273**



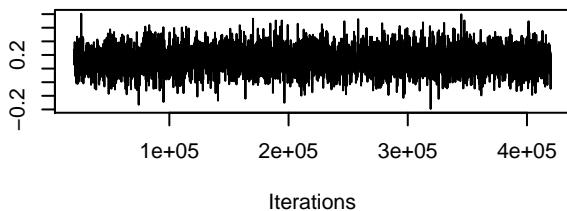
**Trace of underPCA\_s.CollarID.150.314**



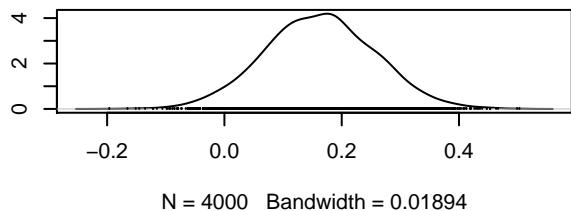
**Density of underPCA\_s.CollarID.150.314**



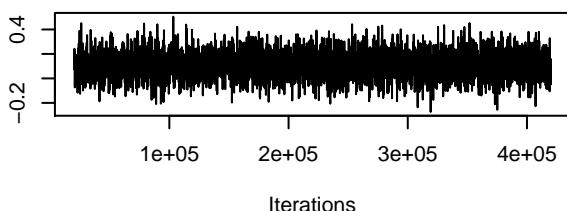
**Trace of underPCA\_s.CollarID.150.332**



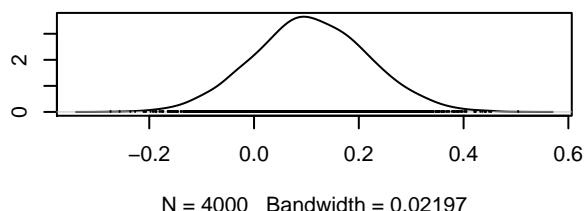
**Density of underPCA\_s.CollarID.150.332**



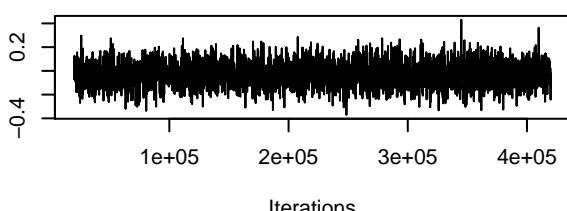
**Trace of underPCA\_s.CollarID.150.373**



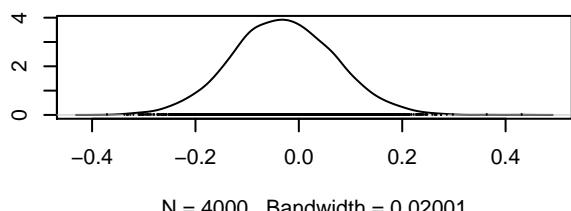
**Density of underPCA\_s.CollarID.150.373**



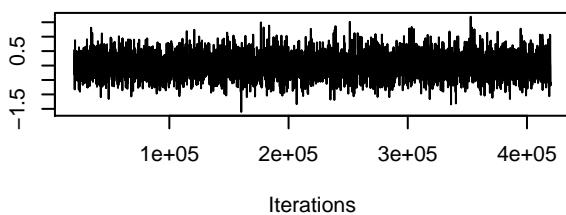
**Trace of underPCA\_s.CollarID.150.392**



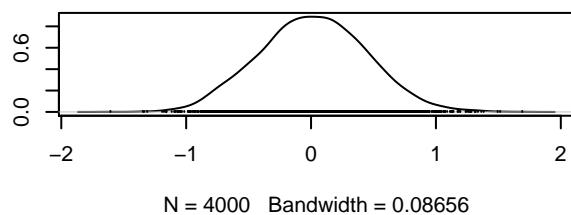
**Density of underPCA\_s.CollarID.150.392**



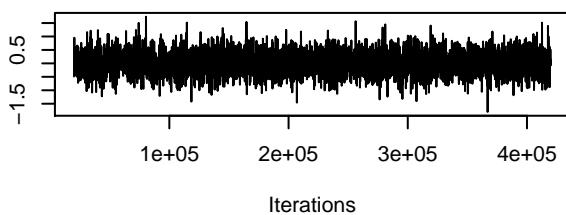
**Trace of (Intercept).CollarID.149.093**



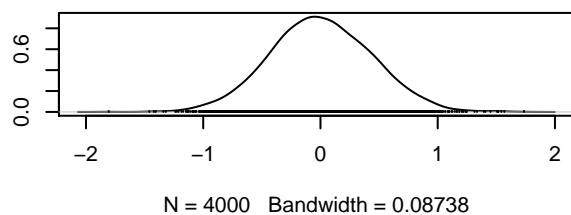
**Density of (Intercept).CollarID.149.093**



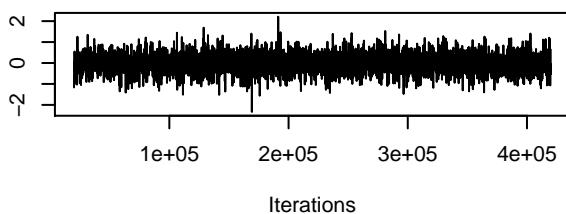
**Trace of (Intercept).CollarID.149.124**



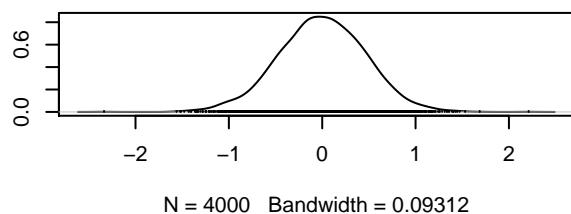
**Density of (Intercept).CollarID.149.124**



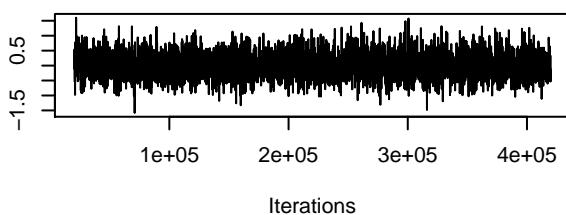
**Trace of (Intercept).CollarID.149.213**



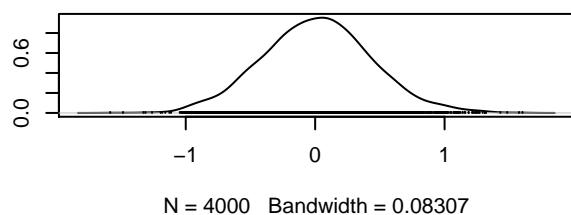
**Density of (Intercept).CollarID.149.213**



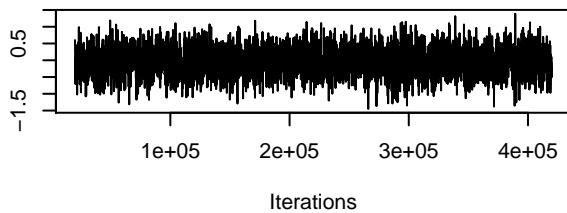
**Trace of (Intercept).CollarID.149.233**



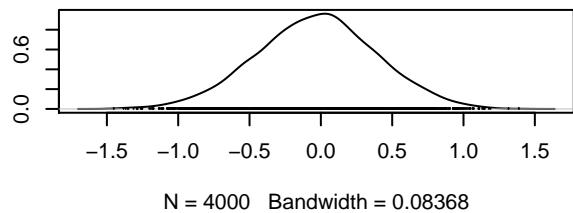
**Density of (Intercept).CollarID.149.233**



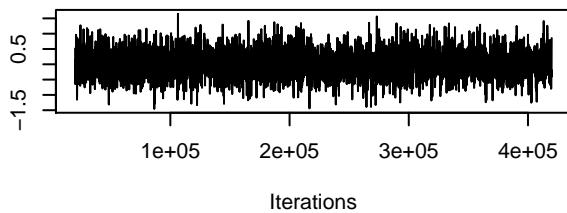
**Trace of (Intercept).CollarID.149.294**



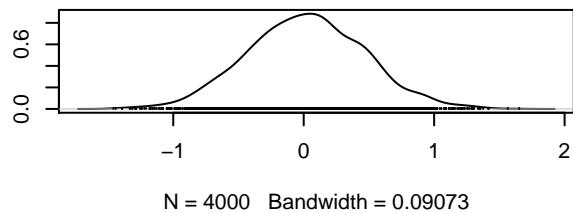
**Density of (Intercept).CollarID.149.294**



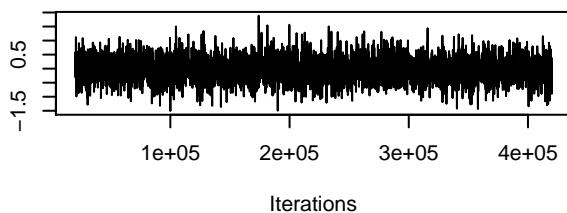
**Trace of (Intercept).CollarID.149.394**



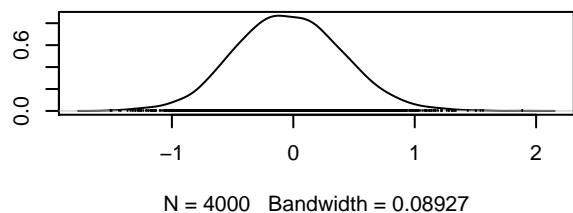
**Density of (Intercept).CollarID.149.394**



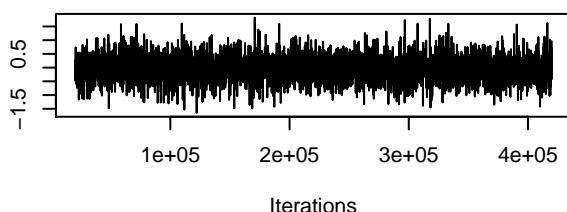
**Trace of (Intercept).CollarID.149.423**



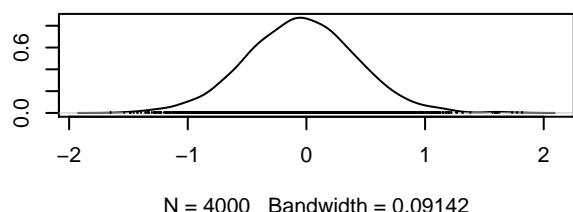
**Density of (Intercept).CollarID.149.423**



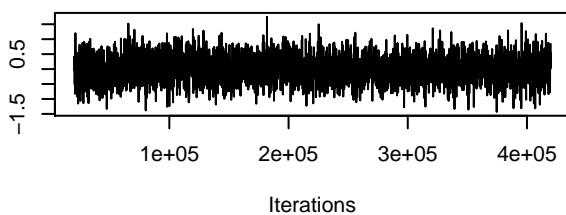
**Trace of (Intercept).CollarID.149.452**



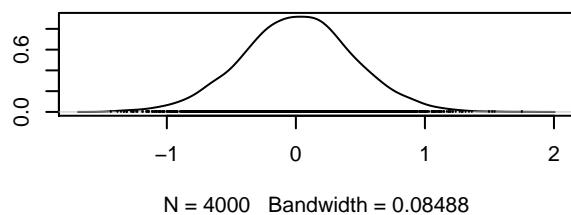
**Density of (Intercept).CollarID.149.452**



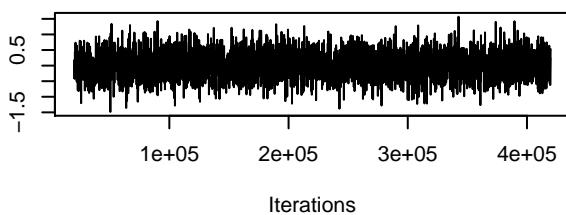
**Trace of (Intercept).CollarID.149.513**



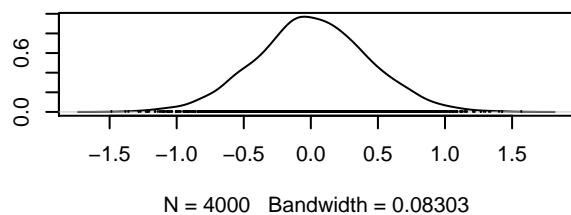
**Density of (Intercept).CollarID.149.513**



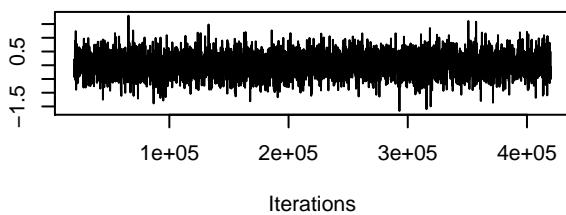
**Trace of (Intercept).CollarID.149.535**



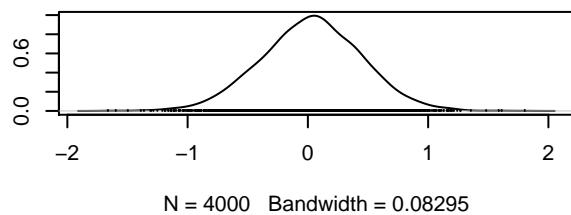
**Density of (Intercept).CollarID.149.535**



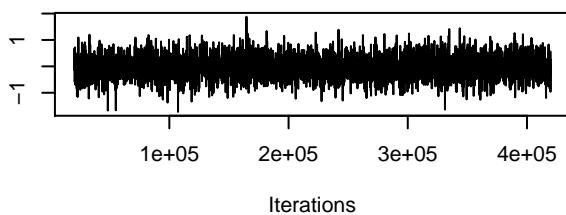
**Trace of (Intercept).CollarID.149.594**



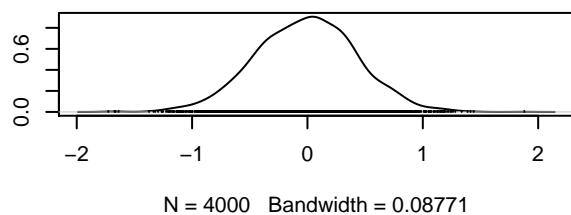
**Density of (Intercept).CollarID.149.594**



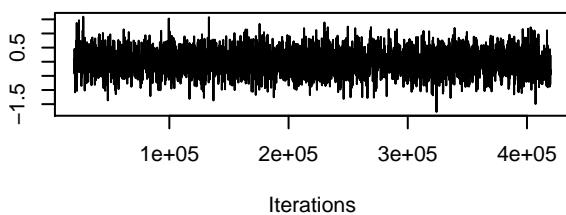
**Trace of (Intercept).CollarID.149.613**



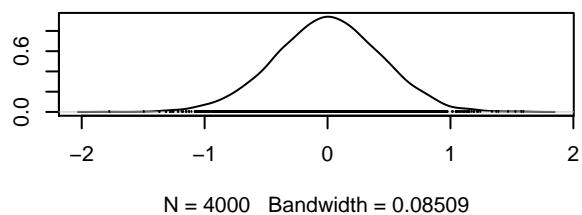
**Density of (Intercept).CollarID.149.613**



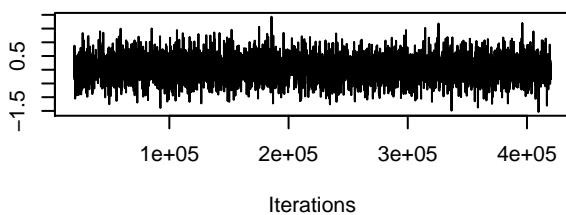
**Trace of (Intercept).CollarID.149.633**



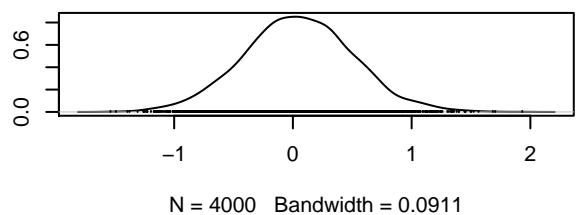
**Density of (Intercept).CollarID.149.633**



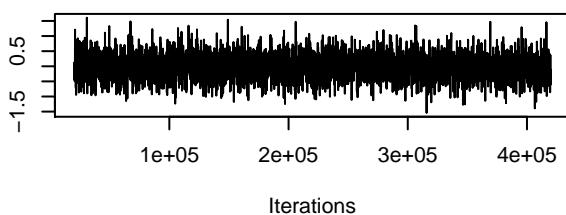
**Trace of (Intercept).CollarID.149.673**



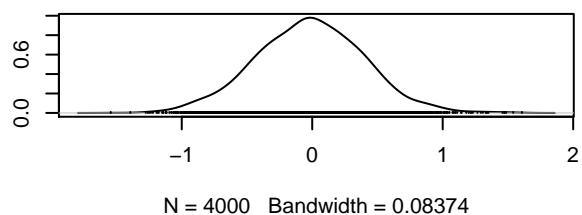
**Density of (Intercept).CollarID.149.673**



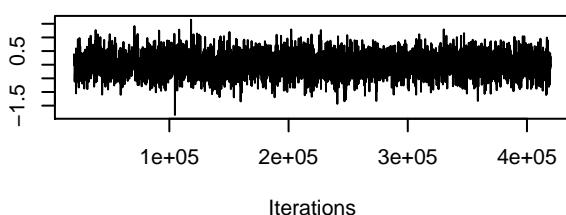
**Trace of (Intercept).CollarID.150.032**



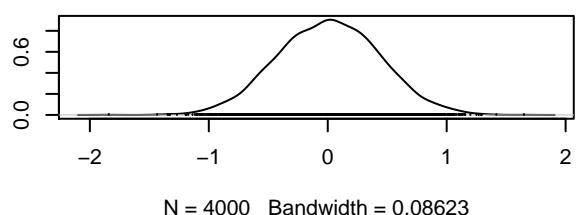
**Density of (Intercept).CollarID.150.032**



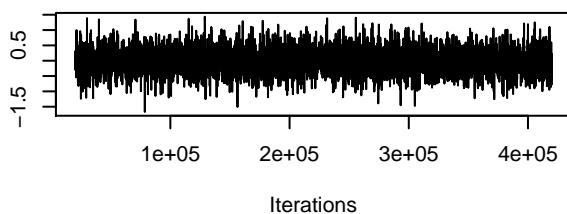
**Trace of (Intercept).CollarID.150.052**



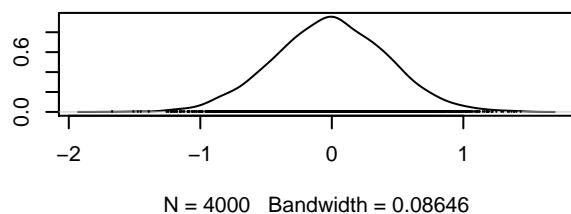
**Density of (Intercept).CollarID.150.052**



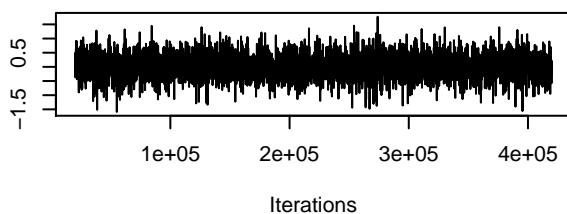
**Trace of (Intercept).CollarID.150.072**



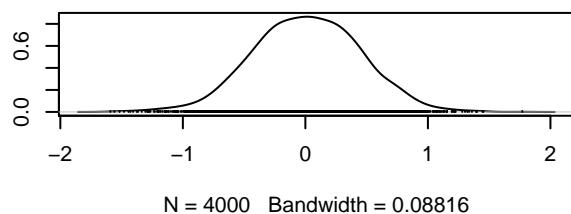
**Density of (Intercept).CollarID.150.072**



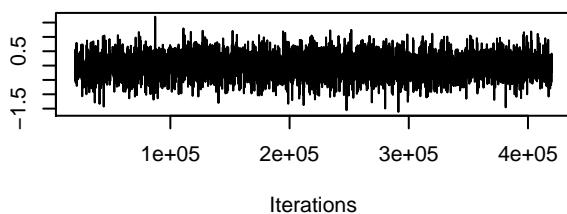
**Trace of (Intercept).CollarID.150.091**



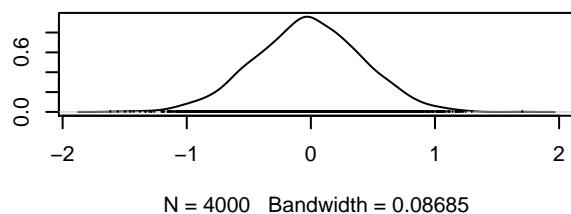
**Density of (Intercept).CollarID.150.091**



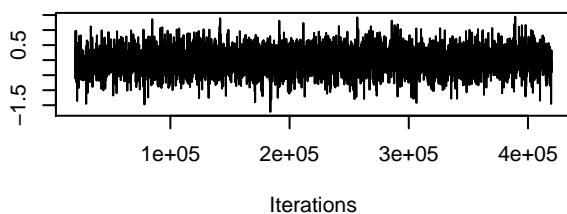
**Trace of (Intercept).CollarID.150.111**



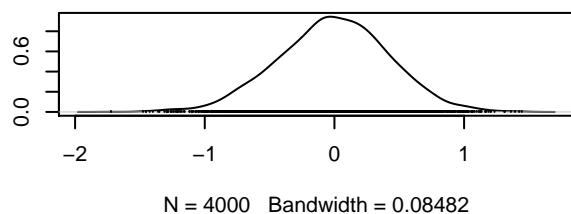
**Density of (Intercept).CollarID.150.111**



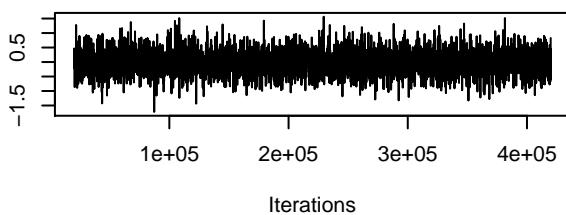
**Trace of (Intercept).CollarID.150.132**



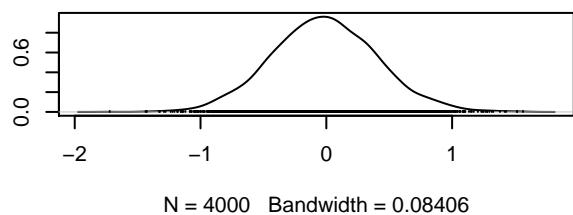
**Density of (Intercept).CollarID.150.132**



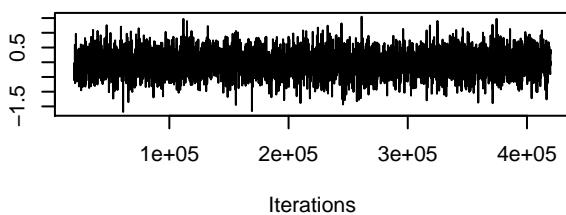
**Trace of (Intercept).CollarID.150.154**



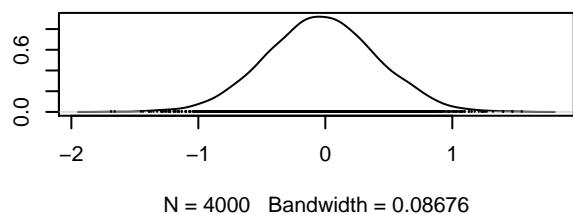
**Density of (Intercept).CollarID.150.154**



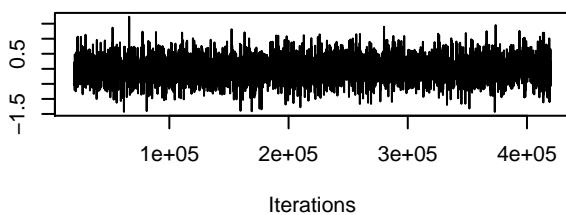
**Trace of (Intercept).CollarID.150.173**



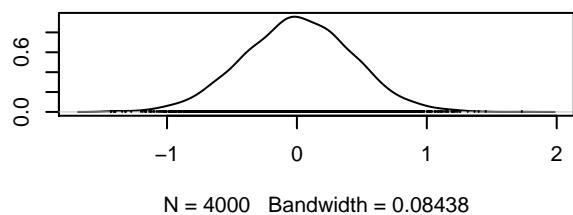
**Density of (Intercept).CollarID.150.173**



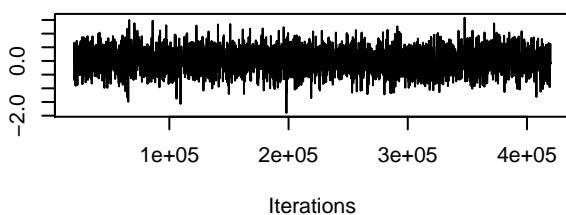
**Trace of (Intercept).CollarID.150.191**



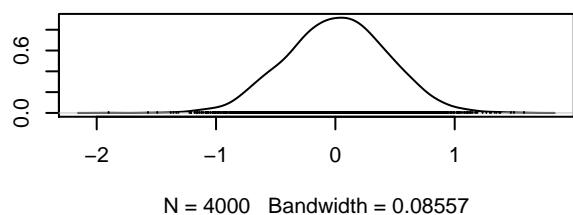
**Density of (Intercept).CollarID.150.191**



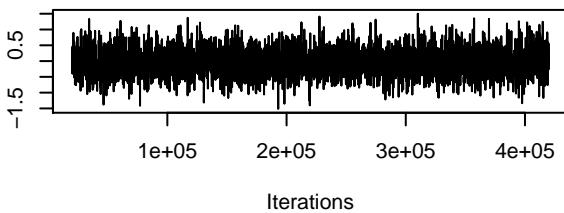
**Trace of (Intercept).CollarID.150.232**



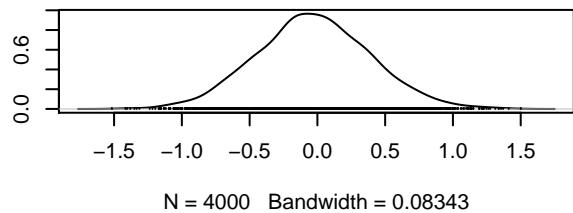
**Density of (Intercept).CollarID.150.232**



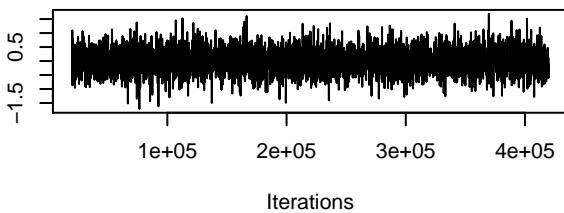
**Trace of (Intercept).CollarID.150.273**



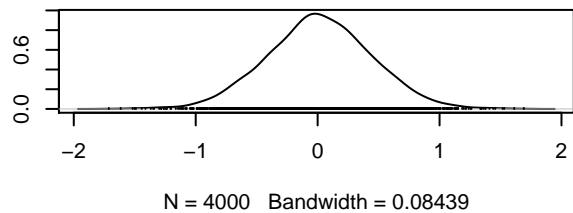
**Density of (Intercept).CollarID.150.273**



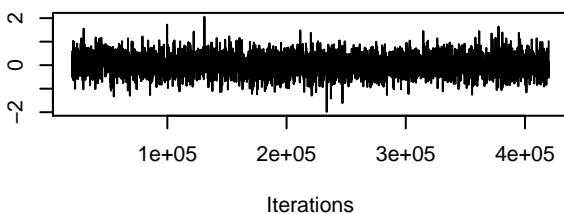
**Trace of (Intercept).CollarID.150.314**



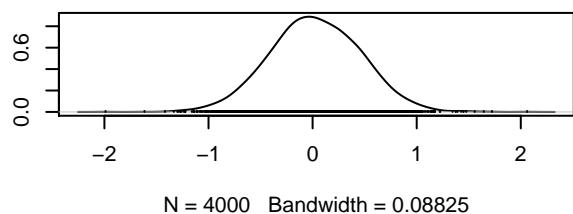
**Density of (Intercept).CollarID.150.314**



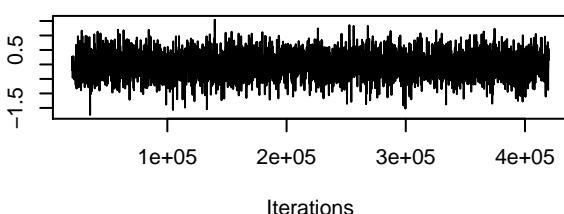
**Trace of (Intercept).CollarID.150.332**



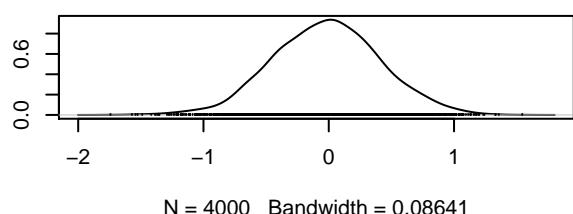
**Density of (Intercept).CollarID.150.332**



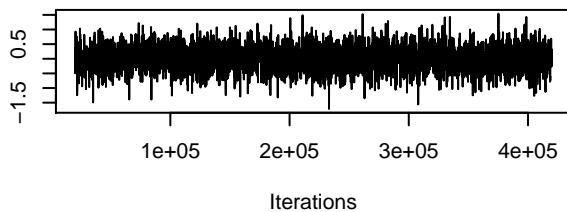
**Trace of (Intercept).CollarID.150.373**



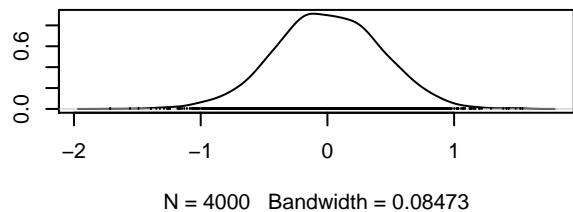
**Density of (Intercept).CollarID.150.373**



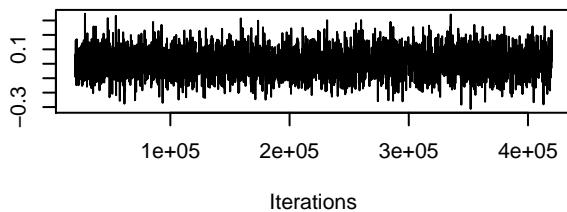
**Trace of (Intercept).CollarID.150.392**



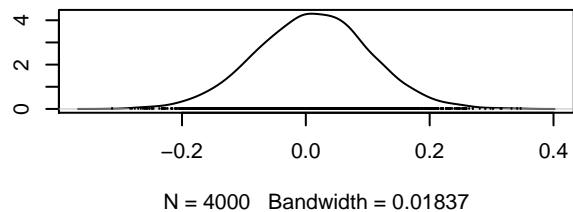
**Density of (Intercept).CollarID.150.392**



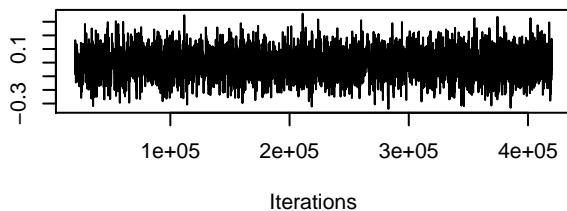
**Trace of overPCA\_s.CollarID.149.093**



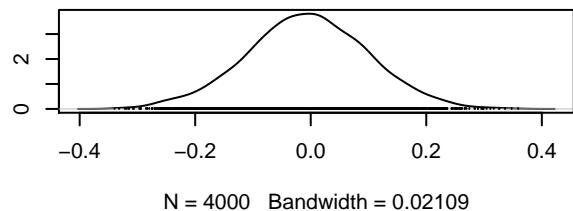
**Density of overPCA\_s.CollarID.149.093**



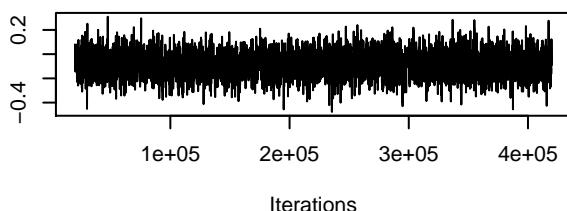
**Trace of overPCA\_s.CollarID.149.124**



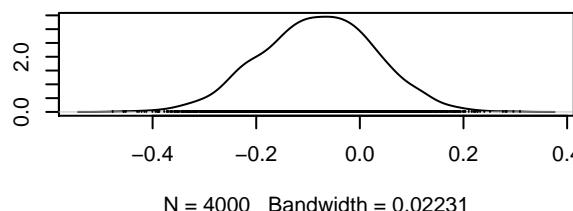
**Density of overPCA\_s.CollarID.149.124**



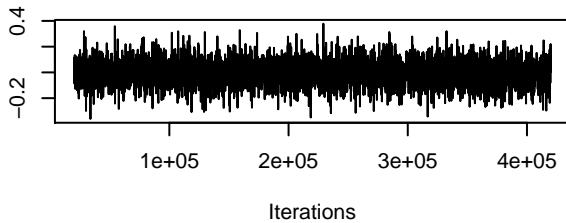
**Trace of overPCA\_s.CollarID.149.213**



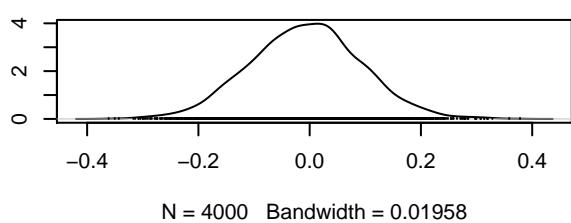
**Density of overPCA\_s.CollarID.149.213**



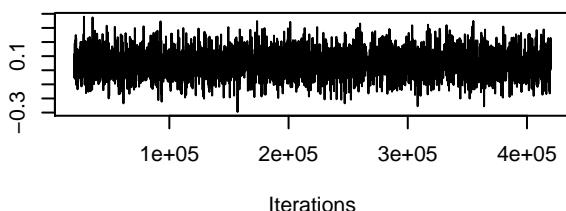
**Trace of overPCA\_s.CollarID.149.233**



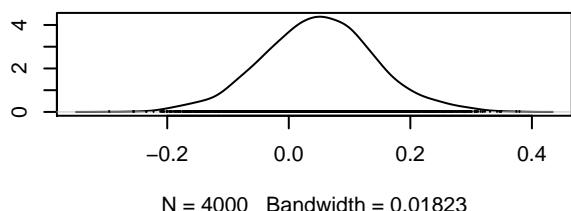
**Density of overPCA\_s.CollarID.149.233**



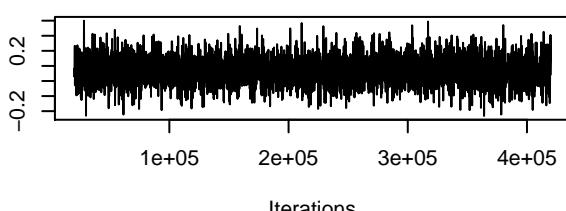
**Trace of overPCA\_s.CollarID.149.294**



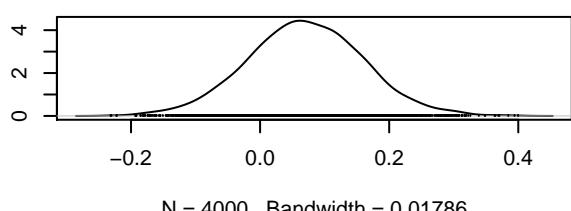
**Density of overPCA\_s.CollarID.149.294**



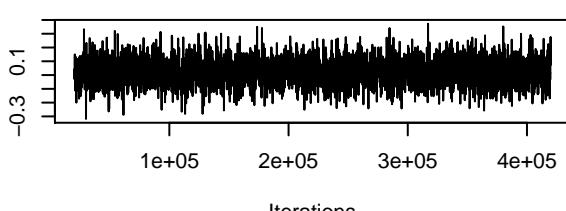
**Trace of overPCA\_s.CollarID.149.394**



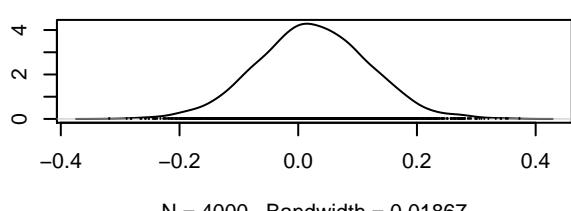
**Density of overPCA\_s.CollarID.149.394**



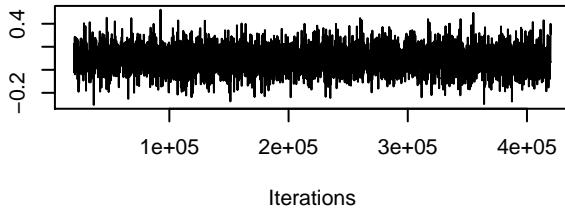
**Trace of overPCA\_s.CollarID.149.423**



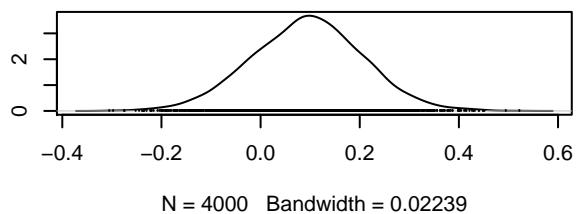
**Density of overPCA\_s.CollarID.149.423**



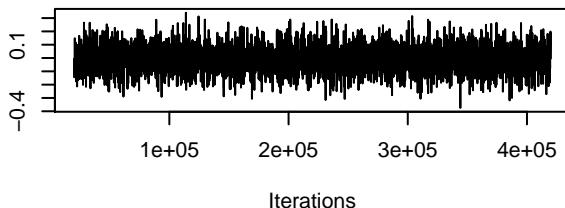
**Trace of overPCA\_s.CollarID.149.452**



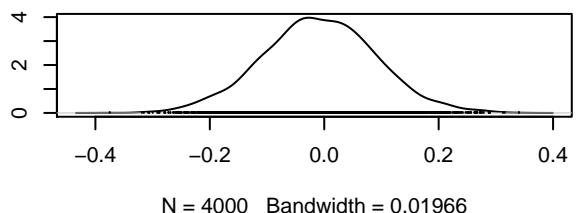
**Density of overPCA\_s.CollarID.149.452**



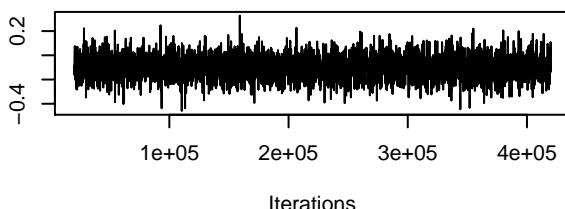
**Trace of overPCA\_s.CollarID.149.513**



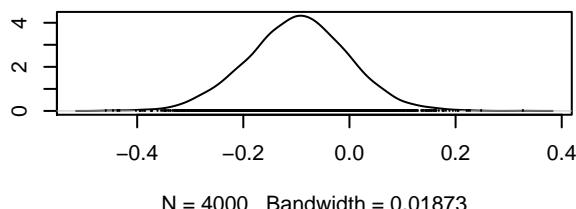
**Density of overPCA\_s.CollarID.149.513**



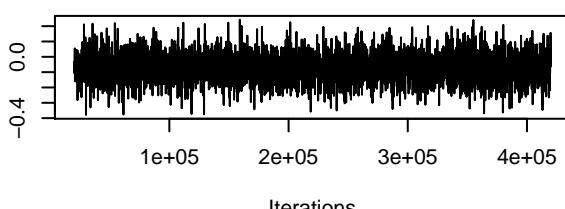
**Trace of overPCA\_s.CollarID.149.535**



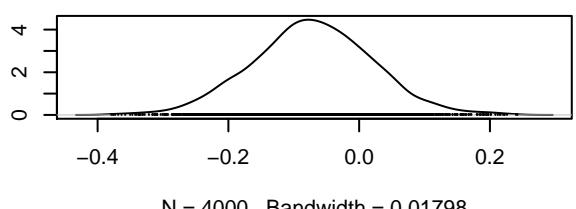
**Density of overPCA\_s.CollarID.149.535**



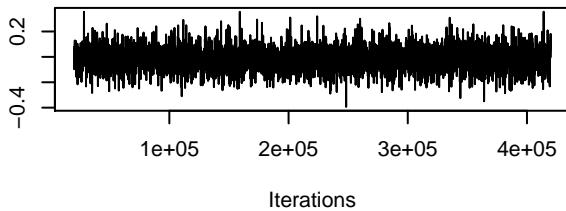
**Trace of overPCA\_s.CollarID.149.594**



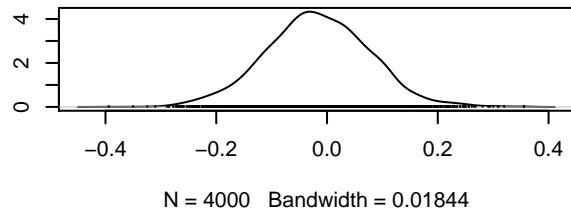
**Density of overPCA\_s.CollarID.149.594**



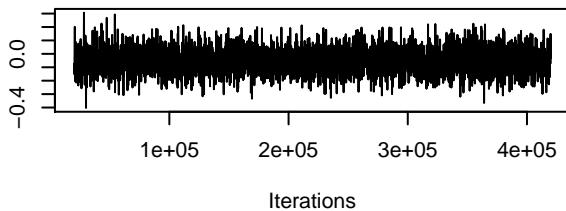
**Trace of overPCA\_s.CollarID.149.613**



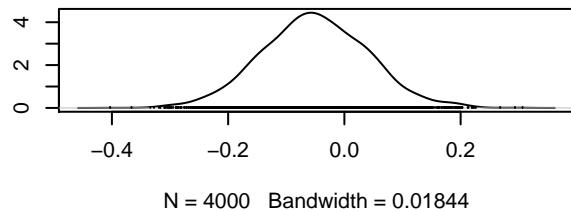
**Density of overPCA\_s.CollarID.149.613**



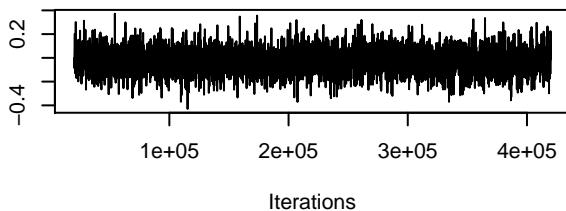
**Trace of overPCA\_s.CollarID.149.633**



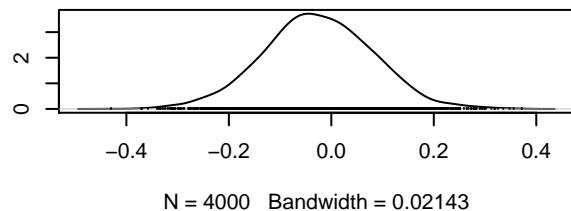
**Density of overPCA\_s.CollarID.149.633**



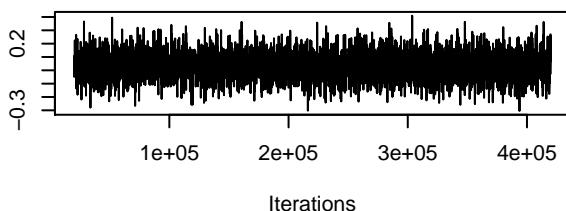
**Trace of overPCA\_s.CollarID.149.673**



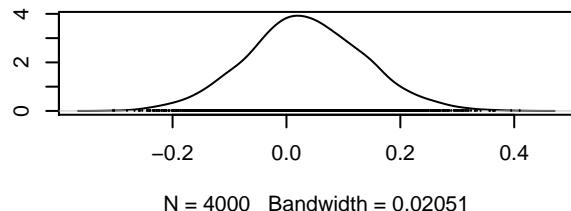
**Density of overPCA\_s.CollarID.149.673**



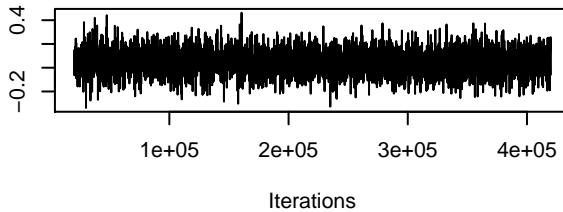
**Trace of overPCA\_s.CollarID.150.032**



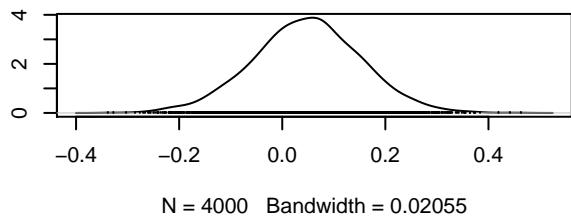
**Density of overPCA\_s.CollarID.150.032**



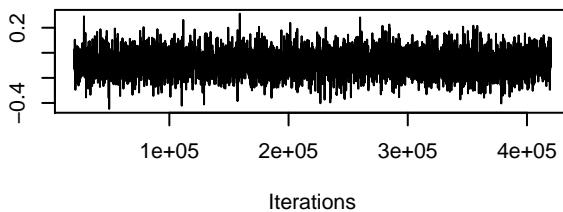
**Trace of overPCA\_s.CollarID.150.052**



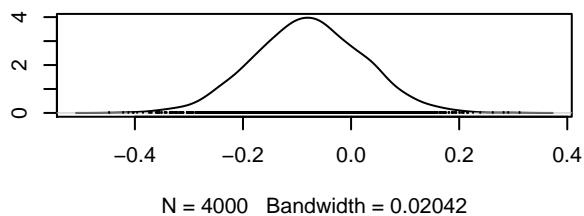
**Density of overPCA\_s.CollarID.150.052**



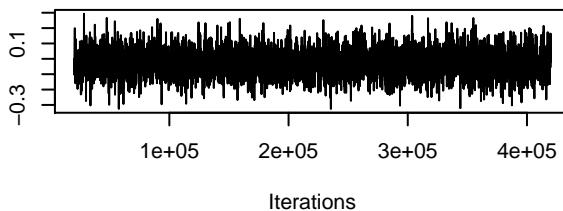
**Trace of overPCA\_s.CollarID.150.072**



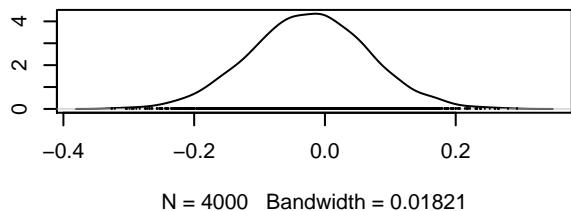
**Density of overPCA\_s.CollarID.150.072**



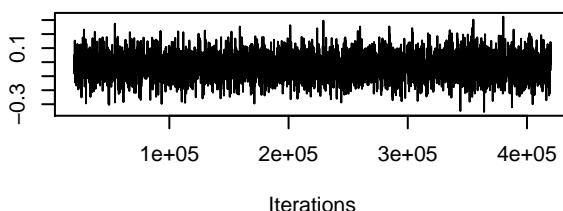
**Trace of overPCA\_s.CollarID.150.091**



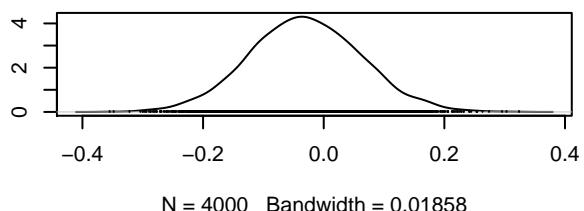
**Density of overPCA\_s.CollarID.150.091**



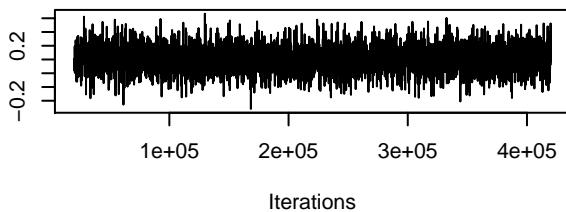
**Trace of overPCA\_s.CollarID.150.111**



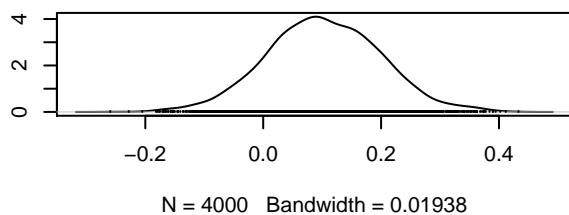
**Density of overPCA\_s.CollarID.150.111**



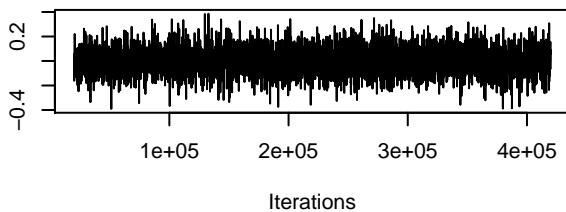
**Trace of overPCA\_s.CollarID.150.132**



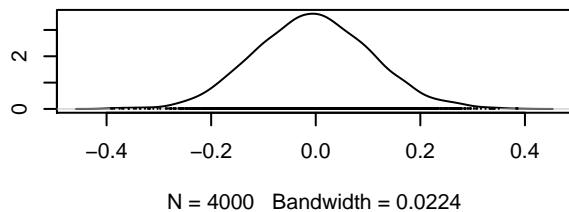
**Density of overPCA\_s.CollarID.150.132**



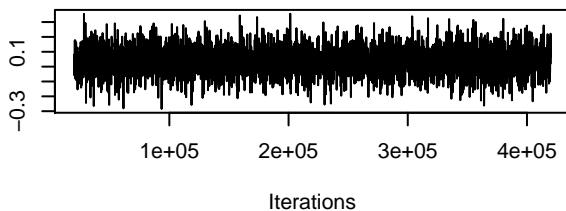
**Trace of overPCA\_s.CollarID.150.154**



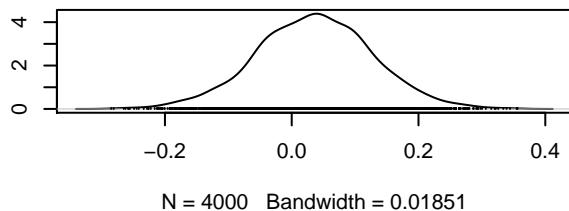
**Density of overPCA\_s.CollarID.150.154**



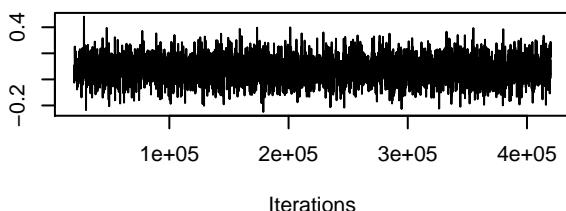
**Trace of overPCA\_s.CollarID.150.173**



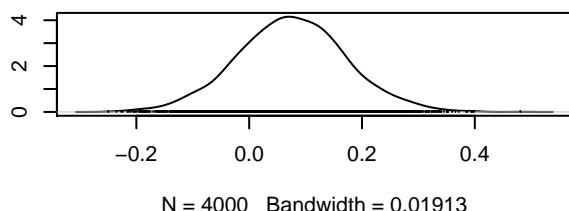
**Density of overPCA\_s.CollarID.150.173**



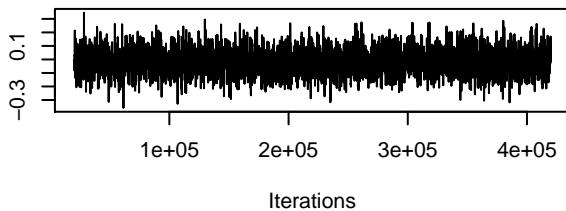
**Trace of overPCA\_s.CollarID.150.191**



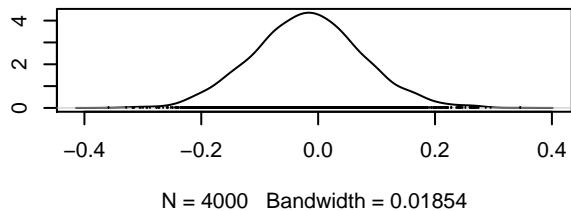
**Density of overPCA\_s.CollarID.150.191**



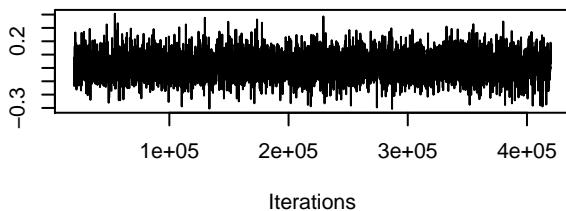
**Trace of overPCA\_s.CollarID.150.232**



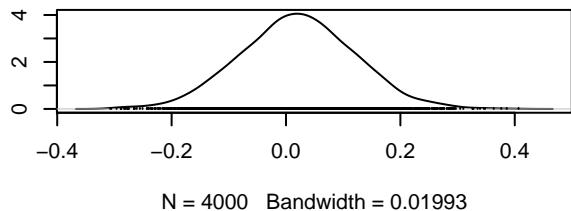
**Density of overPCA\_s.CollarID.150.232**



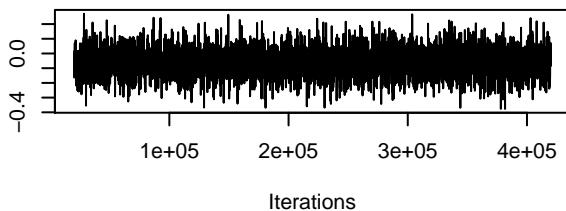
**Trace of overPCA\_s.CollarID.150.273**



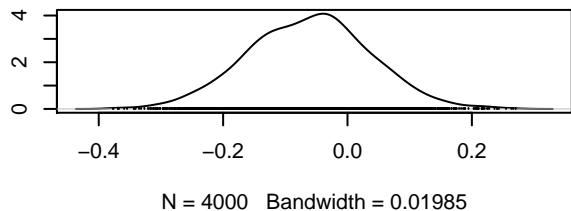
**Density of overPCA\_s.CollarID.150.273**



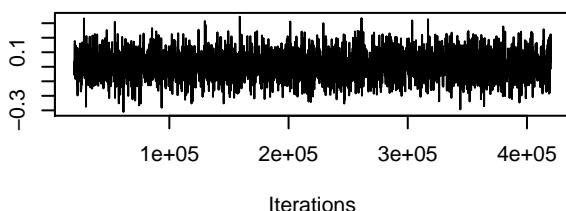
**Trace of overPCA\_s.CollarID.150.314**



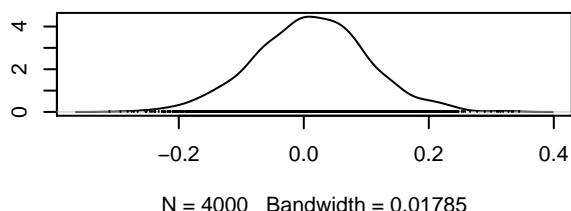
**Density of overPCA\_s.CollarID.150.314**



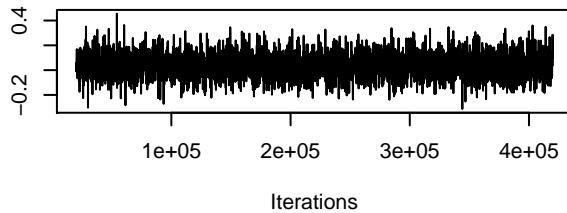
**Trace of overPCA\_s.CollarID.150.332**



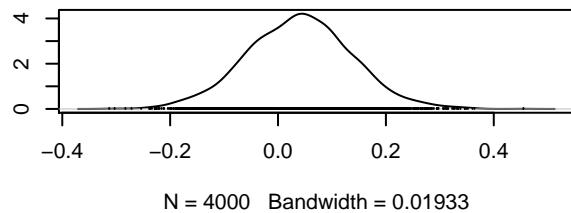
**Density of overPCA\_s.CollarID.150.332**



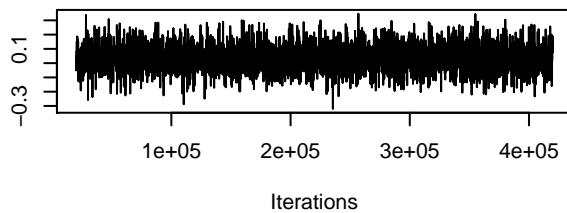
**Trace of overPCA\_s.CollarID.150.373**



**Density of overPCA\_s.CollarID.150.373**



**Trace of overPCA\_s.CollarID.150.392**



**Density of overPCA\_s.CollarID.150.392**

