Resultados de Random Forest por loci incluyendo Sex como covariable

Master en Bioinformática, Universidad de Murcia

Carlos C. Ureña Mateo

Table of Contents

AdultDystoniaMovement

Tabla 1: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes AdultDystoniaMovement

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	tss200	0.0023520	0.0752637
PDDvsCTRL	utr5	0.0023520	0.0752637
PDDvsCTRL	body	0.0065632	0.2100218
PDDvsCTRL	promoter	0.0065632	0.2100218
PDvsCTRL	promoter	0.0065632	0.2100218
PDDvsCTRL	utr3	0.0065632	0.2100218
PDDvsCTRL	tss1500	0.0162106	0.5187404
PDvsCTRL	tss1500	0.0162106	0.5187404
PDvsCTRL	tss200	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.7548606	1.0000000
PDvsCTRL	body	0.0709117	1.0000000
DLBvsCTRL	exonbnd	0.8908772	1.0000000
neurovsCTRL	exonbnd	0.8305171	1.0000000
PDDvsCTRL	exonbnd	0.1274268	1.0000000
PDvsCTRL	exonbnd	0.2088086	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.6633938	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.5602650	1.0000000
PDDvsCTRL	stExon	0.0357467	1.0000000
PDvsCTRL	stExon	0.7917661	1.0000000
DLBvsCTRL	tss1500	0.6166894	1.0000000
neurovsCTRL	tss1500	0.5602650	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.6633938	1.0000000
DLBvsCTRL	utr3	0.6166894	1.0000000
neurovsCTRL	utr3	0.6633938	1.0000000
PDvsCTRL	utr3	0.0709117	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.5602650	1.0000000
PDvsCTRL	utr5	0.5654862	1.0000000

AdultNeurodegDisorder

Tabla 2: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes AdultNeurodegenerativeDisorder

group_comparison	region	p_value	p_value_adj
PDvsCTRL	tss200	0.0023520	0.0752637
PDDvsCTRL	promoter	0.0065632	0.2100218
PDDvsCTRL	tss1500	0.0065632	0.2100218
PDDvsCTRL	exonbnd	0.0162106	0.5187404
PDDvsCTRL	tss200	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.7548606	1.0000000
PDDvsCTRL	body	0.1274268	1.0000000
PDvsCTRL	body	0.0709117	1.0000000
DLBvsCTRL	exonbnd	0.6166894	1.0000000
neurovsCTRL	exonbnd	0.5602650	1.0000000
PDvsCTRL	exonbnd	0.1274268	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.4519798	1.0000000
PDvsCTRL	promoter	0.2088086	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.5602650	1.0000000
PDDvsCTRL	stExon	0.0357467	1.0000000
PDvsCTRL	stExon	0.0709117	1.0000000
DLBvsCTRL	tss1500	0.6166894	1.0000000
neurovsCTRL	tss1500	0.5602650	1.0000000
PDvsCTRL	tss1500	0.3140963	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.5602650	1.0000000
DLBvsCTRL	utr3	0.7800353	1.0000000
neurovsCTRL	utr3	0.4519798	1.0000000
PDDvsCTRL	utr3	0.0357467	1.0000000
PDvsCTRL	utr3	0.4367255	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.4519798	1.0000000
PDDvsCTRL	utr5	0.0357467	1.0000000
PDvsCTRL	utr5	0.1274268	1.0000000

EarlyDementia

Tabla 3: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes EarlyDementia

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	tss1500	0.0023520	0.0752637
PDDvsCTRL	tss200	0.0023520	0.0752637
PDDvsCTRL	promoter	0.0065632	0.2100218
PDDvsCTRL	exonbnd	0.0162106	0.5187404
PDDvsCTRL	utr3	0.0162106	0.5187404
PDDvsCTRL	utr5	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.8305171	1.0000000
PDDvsCTRL	body	0.0357467	1.0000000
PDvsCTRL	body	0.2088086	1.0000000
DLBvsCTRL	exonbnd	0.6166894	1.0000000
neurovsCTRL	exonbnd	0.5602650	1.0000000
PDvsCTRL	exonbnd	0.3140963	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.5602650	1.0000000
PDvsCTRL	promoter	0.4367255	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.7548606	1.0000000
PDDvsCTRL	stExon	0.0357467	1.0000000
PDvsCTRL	stExon	0.0709117	1.0000000
DLBvsCTRL	tss1500	0.7800353	1.0000000
neurovsCTRL	tss1500	0.8889510	1.0000000
PDvsCTRL	tss1500	0.1274268	1.0000000
DLBvsCTRL	tss200	0.7800353	1.0000000
neurovsCTRL	tss200	0.9311374	1.0000000
PDvsCTRL	tss200	0.1274268	1.0000000
DLBvsCTRL	utr3	0.7800353	1.0000000
neurovsCTRL	utr3	0.3462728	1.0000000
PDvsCTRL	utr3	0.1274268	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.6633938	1.0000000
PDvsCTRL	utr5	0.3140963	1.0000000

ParkinsonDisease

Tabla 4: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes ParkinsonDisease

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	body	0.0023520	0.0752637
PDDvsCTRL	promoter	0.0065632	0.2100218
PDvsCTRL	body	0.0162106	0.5187404
PDDvsCTRL	tss1500	0.0162106	0.5187404
PDvsCTRL	tss200	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.6633938	1.0000000
DLBvsCTRL	exonbnd	0.6166894	1.0000000
neurovsCTRL	exonbnd	0.3462728	1.0000000
PDDvsCTRL	exonbnd	0.0709117	1.0000000
PDvsCTRL	exonbnd	0.3140963	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.5602650	1.0000000
PDvsCTRL	promoter	0.2088086	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.7548606	1.0000000
PDDvsCTRL	stExon	0.0357467	1.0000000
PDvsCTRL	stExon	0.0709117	1.0000000
DLBvsCTRL	tss1500	0.6166894	1.0000000
neurovsCTRL	tss1500	0.5602650	1.0000000
PDvsCTRL	tss1500	0.5654862	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.5602650	1.0000000
PDDvsCTRL	tss200	0.0357467	1.0000000
DLBvsCTRL	utr3	0.6166894	1.0000000
neurovsCTRL	utr3	0.3462728	1.0000000
PDDvsCTRL	utr3	0.0357467	1.0000000
PDvsCTRL	utr3	0.3140963	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.4519798	1.0000000
PDDvsCTRL	utr5	0.0709117	1.0000000
PDvsCTRL	utr5	0.2088086	1.0000000

Combined_BT_cellDefect

Tabla 5: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes Combined_BT_cellDefect

group_comparison	region	p_value	p_value_adj
PDvsCTRL	utr5	0.0002007	0.0064218
PDDvsCTRL	promoter	0.0007385	0.0236323
PDDvsCTRL	utr5	0.0023520	0.0752637
PDDvsCTRL	tss1500	0.0065632	0.2100218
PDDvsCTRL	exonbnd	0.0162106	0.5187404
PDDvsCTRL	stExon	0.0162106	0.5187404
DLBvsCTRL	body	0.7800353	1.0000000
neurovsCTRL	body	0.6633938	1.0000000
PDDvsCTRL	body	0.0357467	1.0000000
PDvsCTRL	body	0.2088086	1.0000000
DLBvsCTRL	exonbnd	0.7800353	1.0000000
neurovsCTRL	exonbnd	0.3462728	1.0000000
PDvsCTRL	exonbnd	0.1274268	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.4519798	1.0000000
PDvsCTRL	promoter	0.5654862	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.4519798	1.0000000
PDvsCTRL	stExon	0.0709117	1.0000000
DLBvsCTRL	tss1500	0.4206743	1.0000000
neurovsCTRL	tss1500	0.5602650	1.0000000
PDvsCTRL	tss1500	0.3140963	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.3462728	1.0000000
PDDvsCTRL	tss200	0.1274268	1.0000000
PDvsCTRL	tss200	0.3140963	1.0000000
DLBvsCTRL	utr3	0.6166894	1.0000000
neurovsCTRL	utr3	0.6633938	1.0000000
PDDvsCTRL	utr3	0.1274268	1.0000000
PDvsCTRL	utr3	0.4367255	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.7548606	1.0000000

CytopaeniasAnaemias

Tabla 6: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes CytopaeniasAnaemias

group_comparison	region	p_value	p_value_adj
PDvsCTRL	exonbnd	0.0065632	0.2100218
PDDvsCTRL	promoter	0.0065632	0.2100218
PDDvsCTRL	utr5	0.0065632	0.2100218
PDDvsCTRL	tss1500	0.0162106	0.5187404
PDDvsCTRL	tss200	0.0162106	0.5187404
PDDvsCTRL	utr3	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.7548606	1.0000000
PDDvsCTRL	body	0.0357467	1.0000000
PDvsCTRL	body	0.2088086	1.0000000
DLBvsCTRL	exonbnd	0.9826681	1.0000000
neurovsCTRL	exonbnd	0.1702217	1.0000000
PDDvsCTRL	exonbnd	0.0357467	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.5602650	1.0000000
PDvsCTRL	promoter	0.0357467	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.5602650	1.0000000
PDDvsCTRL	stExon	0.1274268	1.0000000
PDvsCTRL	stExon	0.2088086	1.0000000
DLBvsCTRL	tss1500	0.6166894	1.0000000
neurovsCTRL	tss1500	0.3462728	1.0000000
PDvsCTRL	tss1500	0.3140963	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.5602650	1.0000000
PDvsCTRL	tss200	0.4367255	1.0000000
DLBvsCTRL	utr3	0.6166894	1.0000000
neurovsCTRL	utr3	0.6633938	1.0000000
PDvsCTRL	utr3	0.2088086	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.6633938	1.0000000
PDvsCTRL	utr5	0.0709117	1.0000000

DilatedCardiomyopathy

Tabla 7: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes DilatedCardiomyopathy

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	promoter	0.0007385	0.0236323
PDDvsCTRL	utr5	0.0007385	0.0236323
PDDvsCTRL	tss200	0.0023520	0.0752637
PDDvsCTRL	exonbnd	0.0065632	0.2100218
PDDvsCTRL	stExon	0.0065632	0.2100218
PDDvsCTRL	body	0.0162106	0.5187404
PDvsCTRL	body	0.0162106	0.5187404
PDDvsCTRL	tss1500	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.7548606	1.0000000
DLBvsCTRL	exonbnd	0.6166894	1.0000000
neurovsCTRL	exonbnd	0.4519798	1.0000000
PDvsCTRL	exonbnd	0.0357467	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.5602650	1.0000000
PDvsCTRL	promoter	0.0709117	1.0000000
DLBvsCTRL	stExon	0.8908772	1.0000000
neurovsCTRL	stExon	0.7548606	1.0000000
PDvsCTRL	stExon	0.7917661	1.0000000
DLBvsCTRL	tss1500	0.4206743	1.0000000
neurovsCTRL	tss1500	0.5602650	1.0000000
PDvsCTRL	tss1500	0.0709117	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.6633938	1.0000000
PDvsCTRL	tss200	0.5654862	1.0000000
DLBvsCTRL	utr3	0.6166894	1.0000000
neurovsCTRL	utr3	0.6633938	1.0000000
PDDvsCTRL	utr3	0.0709117	1.0000000
PDvsCTRL	utr3	0.0357467	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.5602650	1.0000000
PDvsCTRL	utr5	0.4367255	1.0000000

Long_QT_syndrome

Tabla 8: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes Long_QT_syndrome

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	promoter	0.0007385	0.0236323
PDDvsCTRL	body	0.0065632	0.2100218
PDDvsCTRL	stExon	0.0065632	0.2100218
PDvsCTRL	exonbnd	0.0162106	0.5187404
PDvsCTRL	tss1500	0.0162106	0.5187404
PDDvsCTRL	utr5	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.6633938	1.0000000
PDvsCTRL	body	0.0709117	1.0000000
DLBvsCTRL	exonbnd	0.7800353	1.0000000
neurovsCTRL	exonbnd	0.4519798	1.0000000
PDDvsCTRL	exonbnd	0.6874699	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.6633938	1.0000000
PDvsCTRL	promoter	0.2088086	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.5602650	1.0000000
PDvsCTRL	stExon	0.2088086	1.0000000
DLBvsCTRL	tss1500	0.6166894	1.0000000
neurovsCTRL	tss1500	0.6633938	1.0000000
PDDvsCTRL	tss1500	0.0357467	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.5602650	1.0000000
PDDvsCTRL	tss200	0.0357467	1.0000000
PDvsCTRL	tss200	0.4367255	1.0000000
DLBvsCTRL	utr3	0.7800353	1.0000000
neurovsCTRL	utr3	0.3462728	1.0000000
PDDvsCTRL	utr3	0.2088086	1.0000000
PDvsCTRL	utr3	0.1274268	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.6633938	1.0000000
PDvsCTRL	utr5	0.5654862	1.0000000

Mitochondrial_disorders

Tabla 9: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes Mitochondrial_disorders

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	exonbnd	0.0065632	0.2100218
PDDvsCTRL	stExon	0.0162106	0.5187404
PDDvsCTRL	tss1500	0.0162106	0.5187404
PDDvsCTRL	utr3	0.0162106	0.5187404
PDvsCTRL	utr3	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.6633938	1.0000000
PDDvsCTRL	body	0.0357467	1.0000000
PDvsCTRL	body	0.1274268	1.0000000
DLBvsCTRL	exonbnd	0.8908772	1.0000000
neurovsCTRL	exonbnd	0.4519798	1.0000000
PDvsCTRL	exonbnd	0.1274268	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.6633938	1.0000000
PDDvsCTRL	promoter	0.0357467	1.0000000
PDvsCTRL	promoter	0.2088086	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.2505219	1.0000000
PDvsCTRL	stExon	0.3140963	1.0000000
DLBvsCTRL	tss1500	0.6166894	1.0000000
neurovsCTRL	tss1500	0.4519798	1.0000000
PDvsCTRL	tss1500	0.3140963	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.8305171	1.0000000
PDDvsCTRL	tss200	0.0709117	1.0000000
PDvsCTRL	tss200	0.2088086	1.0000000
DLBvsCTRL	utr3	0.4206743	1.0000000
neurovsCTRL	utr3	0.7548606	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.5602650	1.0000000
PDDvsCTRL	utr5	0.0357467	1.0000000
PDvsCTRL	utr5	0.0709117	1.0000000

MucopolyGaucherFabry

Tabla 10: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes MucopolyGaucherFabry

group_comparison	region	p_value	p_value_adj
PDvsCTRL	body	0.0007385	0.0236323
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.5602650	1.0000000
PDDvsCTRL	body	0.0357467	1.0000000
DLBvsCTRL	exonbnd	0.9532258	1.0000000
neurovsCTRL	exonbnd	0.6633938	1.0000000
PDDvsCTRL	exonbnd	0.2088086	1.0000000
PDvsCTRL	exonbnd	0.5654862	1.0000000
DLBvsCTRL	promoter	0.7800353	1.0000000
neurovsCTRL	promoter	0.5602650	1.0000000
PDDvsCTRL	promoter	0.0709117	1.0000000
PDvsCTRL	promoter	0.0709117	1.0000000
DLBvsCTRL	stExon	0.9532258	1.0000000
neurovsCTRL	stExon	0.8889510	1.0000000
PDDvsCTRL	stExon	0.1274268	1.0000000
PDvsCTRL	stExon	0.0709117	1.0000000
DLBvsCTRL	tss1500	0.7800353	1.0000000
neurovsCTRL	tss1500	0.4519798	1.0000000
PDDvsCTRL	tss1500	0.0709117	1.0000000
PDvsCTRL	tss1500	0.2088086	1.0000000
DLBvsCTRL	tss200	0.7800353	1.0000000
neurovsCTRL	tss200	0.5602650	1.0000000
PDDvsCTRL	tss200	0.3140963	1.0000000
PDvsCTRL	tss200	0.2088086	1.0000000
DLBvsCTRL	utr3	0.9532258	1.0000000
neurovsCTRL	utr3	0.9311374	1.0000000
PDDvsCTRL	utr3	0.4367255	1.0000000
PDvsCTRL	utr3	0.3140963	1.0000000
DLBvsCTRL	utr5	0.7800353	1.0000000
neurovsCTRL	utr5	0.5602650	1.0000000
PDDvsCTRL	utr5	0.3140963	1.0000000
PDvsCTRL	utr5	0.4367255	1.0000000

Peroxisomal_disorders

Tabla 11: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes Peroxisomal_disorders

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	body	0.0007385	0.0236323
PDDvsCTRL	tss200	0.0065632	0.2100218
PDDvsCTRL	stExon	0.0162106	0.5187404
PDDvsCTRL	utr3	0.0162106	0.5187404
PDvsCTRL	utr5	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.5602650	1.0000000
PDvsCTRL	body	0.3140963	1.0000000
DLBvsCTRL	exonbnd	0.9532258	1.0000000
neurovsCTRL	exonbnd	0.6633938	1.0000000
PDDvsCTRL	exonbnd	0.1274268	1.0000000
PDvsCTRL	exonbnd	0.5654862	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.5602650	1.0000000
PDDvsCTRL	promoter	0.0357467	1.0000000
PDvsCTRL	promoter	0.3140963	1.0000000
DLBvsCTRL	stExon	0.7800353	1.0000000
neurovsCTRL	stExon	0.5602650	1.0000000
PDvsCTRL	stExon	0.1274268	1.0000000
DLBvsCTRL	tss1500	0.4206743	1.0000000
neurovsCTRL	tss1500	0.5602650	1.0000000
PDDvsCTRL	tss1500	0.0709117	1.0000000
PDvsCTRL	tss1500	0.2088086	1.0000000
DLBvsCTRL	tss200	0.7800353	1.0000000
neurovsCTRL	tss200	0.8889510	1.0000000
PDvsCTRL	tss200	0.5654862	1.0000000
DLBvsCTRL	utr3	0.8908772	1.0000000
neurovsCTRL	utr3	0.3462728	1.0000000
PDvsCTRL	utr3	0.3140963	1.0000000
DLBvsCTRL	utr5	0.7800353	1.0000000
neurovsCTRL	utr5	0.4519798	1.0000000
PDDvsCTRL	utr5	0.1274268	1.0000000

SCID

Tabla 12: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes SCID

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	body	0.0023520	0.0752637
PDDvsCTRL	stExon	0.0065632	0.2100218
PDDvsCTRL	promoter	0.0162106	0.5187404
PDvsCTRL	tss1500	0.0162106	0.5187404
PDDvsCTRL	utr5	0.0162106	0.5187404
DLBvsCTRL	body	0.7800353	1.0000000
neurovsCTRL	body	0.5602650	1.0000000
PDvsCTRL	body	0.0709117	1.0000000
DLBvsCTRL	exonbnd	0.4206743	1.0000000
neurovsCTRL	exonbnd	0.8305171	1.0000000
PDDvsCTRL	exonbnd	0.1274268	1.0000000
PDvsCTRL	exonbnd	0.5654862	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.5602650	1.0000000
PDvsCTRL	promoter	0.0709117	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.6633938	1.0000000
PDvsCTRL	stExon	0.5654862	1.0000000
DLBvsCTRL	tss1500	0.4206743	1.0000000
neurovsCTRL	tss1500	0.5602650	1.0000000
PDDvsCTRL	tss1500	0.0357467	1.0000000
DLBvsCTRL	tss200	0.8908772	1.0000000
neurovsCTRL	tss200	0.3462728	1.0000000
PDDvsCTRL	tss200	0.0357467	1.0000000
PDvsCTRL	tss200	0.1274268	1.0000000
DLBvsCTRL	utr3	0.8908772	1.0000000
neurovsCTRL	utr3	0.5602650	1.0000000
PDDvsCTRL	utr3	0.0357467	1.0000000
PDvsCTRL	utr3	0.4367255	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.1702217	1.0000000
PDvsCTRL	utr5	0.0357467	1.0000000

ThoracicAorticAneurysm

Tabla 13: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes ThoracicAorticAneurysm

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	body	0.0065632	0.2100218
PDDvsCTRL	tss200	0.0065632	0.2100218
PDDvsCTRL	stExon	0.0162106	0.5187404
PDvsCTRL	stExon	0.0162106	0.5187404
PDDvsCTRL	tss1500	0.0162106	0.5187404
PDDvsCTRL	utr5	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.5602650	1.0000000
PDvsCTRL	body	0.0357467	1.0000000
DLBvsCTRL	exonbnd	0.6166894	1.0000000
neurovsCTRL	exonbnd	0.5602650	1.0000000
PDDvsCTRL	exonbnd	0.1274268	1.0000000
PDvsCTRL	exonbnd	0.3140963	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.6633938	1.0000000
PDDvsCTRL	promoter	0.0357467	1.0000000
PDvsCTRL	promoter	0.5654862	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.3462728	1.0000000
DLBvsCTRL	tss1500	0.6166894	1.0000000
neurovsCTRL	tss1500	0.8305171	1.0000000
PDvsCTRL	tss1500	0.2088086	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.5602650	1.0000000
PDvsCTRL	tss200	0.6874699	1.0000000
DLBvsCTRL	utr3	0.4206743	1.0000000
neurovsCTRL	utr3	0.7548606	1.0000000
PDDvsCTRL	utr3	0.0357467	1.0000000
PDvsCTRL	utr3	0.0357467	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.6633938	1.0000000
PDvsCTRL	utr5	0.4367255	1.0000000

RANDOM_15

Tabla 14: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes RANDOM_15

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	utr5	0.0023520	0.0752637
PDDvsCTRL	body	0.0065632	0.2100218
PDvsCTRL	tss200	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.5602650	1.0000000
PDvsCTRL	body	0.4367255	1.0000000
DLBvsCTRL	exonbnd	0.8908772	1.0000000
neurovsCTRL	exonbnd	0.7548606	1.0000000
PDDvsCTRL	exonbnd	0.3140963	1.0000000
PDvsCTRL	exonbnd	0.4367255	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.1702217	1.0000000
PDDvsCTRL	promoter	0.1274268	1.0000000
PDvsCTRL	promoter	0.0357467	1.0000000
DLBvsCTRL	stExon	0.7800353	1.0000000
neurovsCTRL	stExon	0.8889510	1.0000000
PDDvsCTRL	stExon	0.5654862	1.0000000
PDvsCTRL	stExon	0.0709117	1.0000000
DLBvsCTRL	tss1500	0.7800353	1.0000000
neurovsCTRL	tss1500	0.5602650	1.0000000
PDDvsCTRL	tss1500	0.2088086	1.0000000
PDvsCTRL	tss1500	0.4367255	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.3462728	1.0000000
PDDvsCTRL	tss200	0.0357467	1.0000000
DLBvsCTRL	utr3	0.4206743	1.0000000
neurovsCTRL	utr3	0.5602650	1.0000000
PDDvsCTRL	utr3	0.2088086	1.0000000
PDvsCTRL	utr3	0.2088086	1.0000000
DLBvsCTRL	utr5	0.7800353	1.0000000
neurovsCTRL	utr5	0.5602650	1.0000000
PDvsCTRL	utr5	0.0709117	1.0000000

RANDOM 30

Tabla 15: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes RANDOM_30

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	promoter	0.0065632	0.2100218
PDDvsCTRL	tss1500	0.0065632	0.2100218
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.7548606	1.0000000
PDDvsCTRL	body	0.0357467	1.0000000
PDvsCTRL	body	0.6874699	1.0000000
DLBvsCTRL	exonbnd	0.9532258	1.0000000
neurovsCTRL	exonbnd	0.5602650	1.0000000
PDDvsCTRL	exonbnd	0.0709117	1.0000000
PDvsCTRL	exonbnd	0.5654862	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.7548606	1.0000000
PDvsCTRL	promoter	0.3140963	1.0000000
DLBvsCTRL	stExon	0.7800353	1.0000000
neurovsCTRL	stExon	0.8305171	1.0000000
PDDvsCTRL	stExon	0.1274268	1.0000000
PDvsCTRL	stExon	0.7917661	1.0000000
DLBvsCTRL	tss1500	0.6166894	1.0000000
neurovsCTRL	tss1500	0.6633938	1.0000000
PDvsCTRL	tss1500	0.1274268	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.5602650	1.0000000
PDDvsCTRL	tss200	0.1274268	1.0000000
PDvsCTRL	tss200	0.0357467	1.0000000
DLBvsCTRL	utr3	0.7800353	1.0000000
neurovsCTRL	utr3	0.4519798	1.0000000
PDDvsCTRL	utr3	0.0709117	1.0000000
PDvsCTRL	utr3	0.3140963	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.7548606	1.0000000
PDDvsCTRL	utr5	0.0709117	1.0000000
PDvsCTRL	utr5	0.3140963	1.0000000

RANDOM_60

Tabla 16: Resultados de Random Forest por loci incluyendo Sex como covariable para el panel de genes RANDOM_60

group_comparison	region	p_value	p_value_adj
PDDvsCTRL	stExon	0.0023520	0.0752637
PDDvsCTRL	tss200	0.0023520	0.0752637
PDDvsCTRL	utr3	0.0065632	0.2100218
PDDvsCTRL	utr5	0.0065632	0.2100218
PDDvsCTRL	promoter	0.0162106	0.5187404
DLBvsCTRL	body	0.6166894	1.0000000
neurovsCTRL	body	0.5602650	1.0000000
PDDvsCTRL	body	0.0357467	1.0000000
PDvsCTRL	body	0.5654862	1.0000000
DLBvsCTRL	exonbnd	0.8908772	1.0000000
neurovsCTRL	exonbnd	0.7548606	1.0000000
PDDvsCTRL	exonbnd	0.1274268	1.0000000
PDvsCTRL	exonbnd	0.2088086	1.0000000
DLBvsCTRL	promoter	0.6166894	1.0000000
neurovsCTRL	promoter	0.4519798	1.0000000
PDvsCTRL	promoter	0.0709117	1.0000000
DLBvsCTRL	stExon	0.6166894	1.0000000
neurovsCTRL	stExon	0.5602650	1.0000000
PDvsCTRL	stExon	0.1274268	1.0000000
DLBvsCTRL	tss1500	0.6166894	1.0000000
neurovsCTRL	tss1500	0.5602650	1.0000000
PDDvsCTRL	tss1500	0.0357467	1.0000000
PDvsCTRL	tss1500	0.4367255	1.0000000
DLBvsCTRL	tss200	0.6166894	1.0000000
neurovsCTRL	tss200	0.5602650	1.0000000
PDvsCTRL	tss200	0.2088086	1.0000000
DLBvsCTRL	utr3	0.6166894	1.0000000
neurovsCTRL	utr3	0.8305171	1.0000000
PDvsCTRL	utr3	0.0709117	1.0000000
DLBvsCTRL	utr5	0.6166894	1.0000000
neurovsCTRL	utr5	0.7548606	1.0000000
PDvsCTRL	utr5	0.3140963	1.0000000