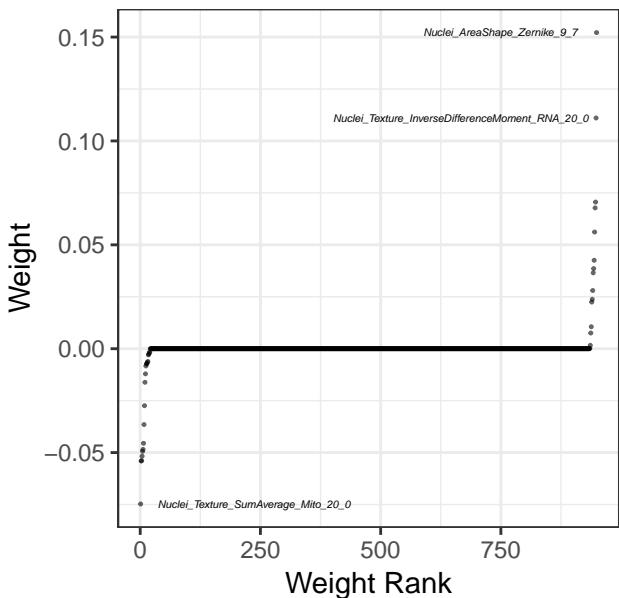
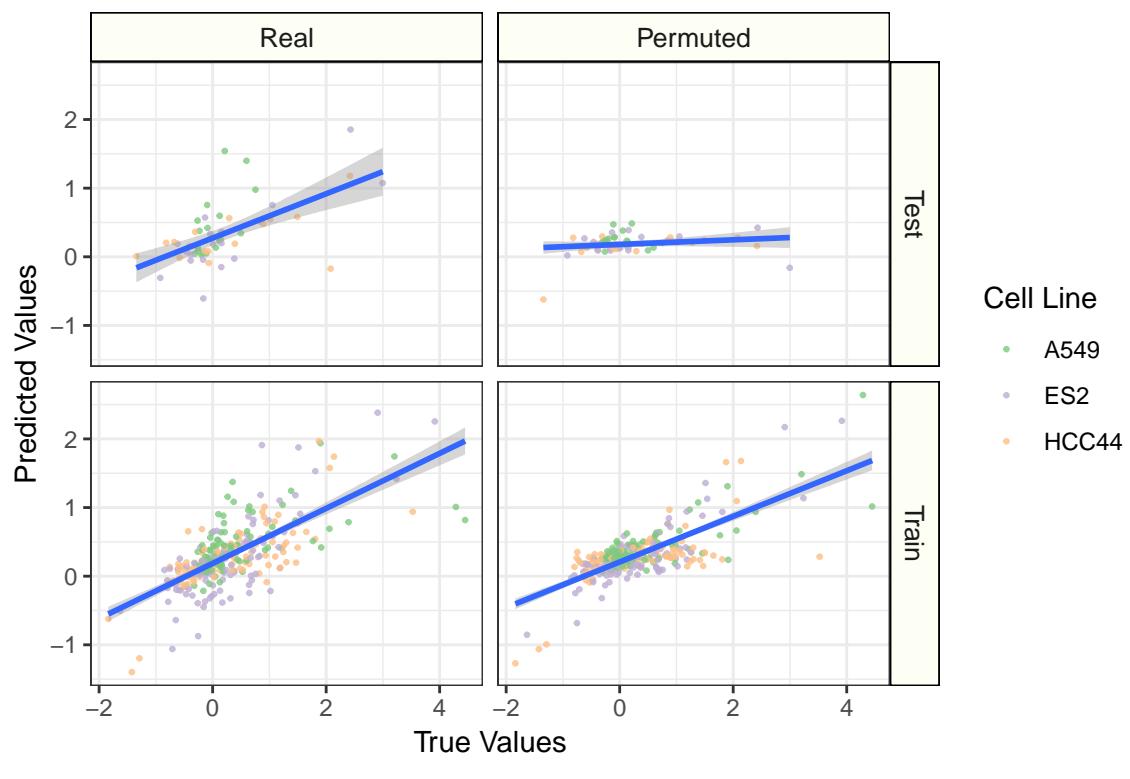


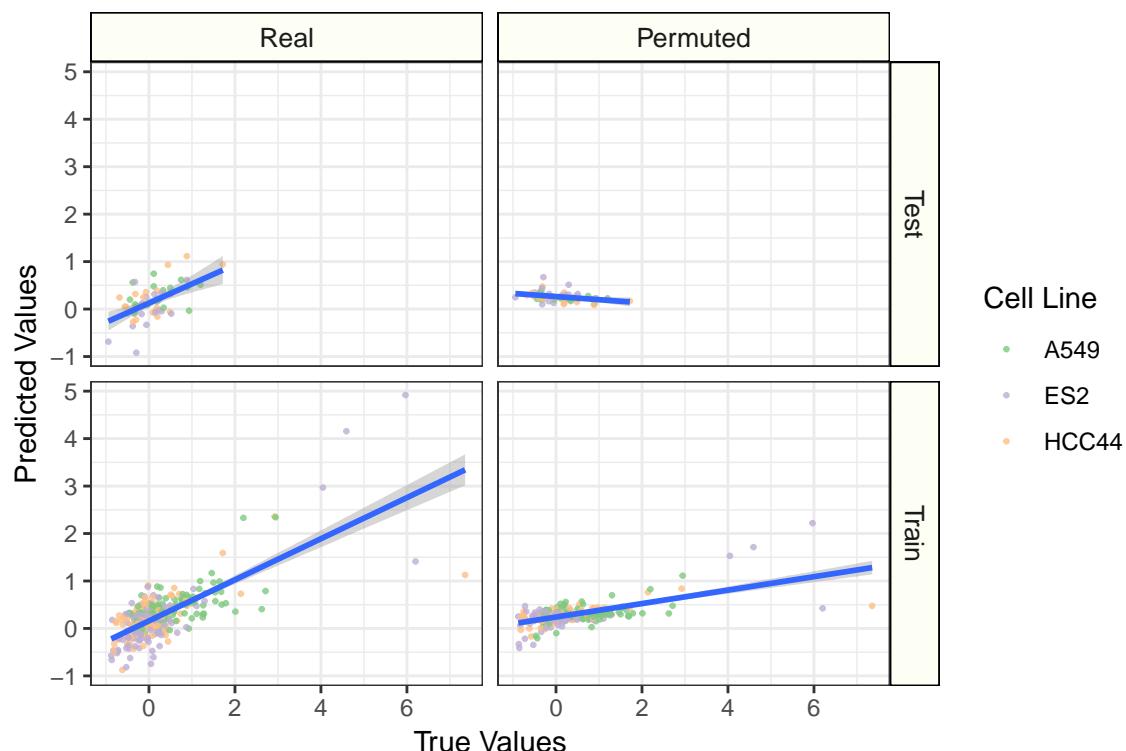
# Performance: cc\_all\_high\_h2ax

Transform: raw

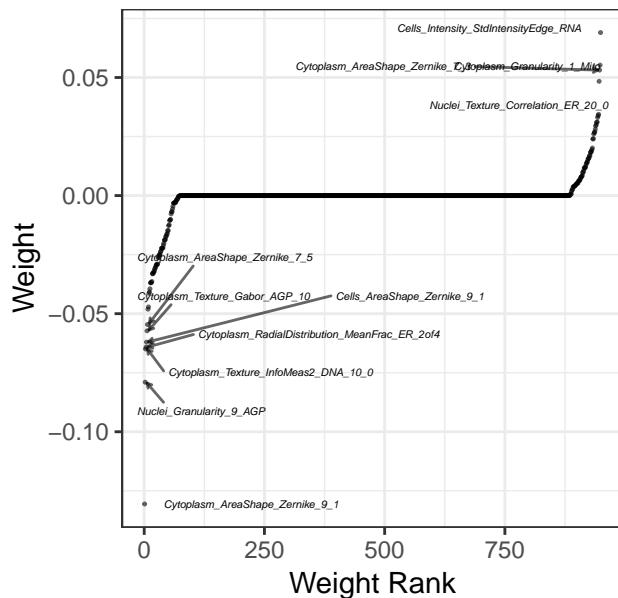


# Performance: cc\_all\_large\_notround\_polinuclear\_mean

## Transform: raw

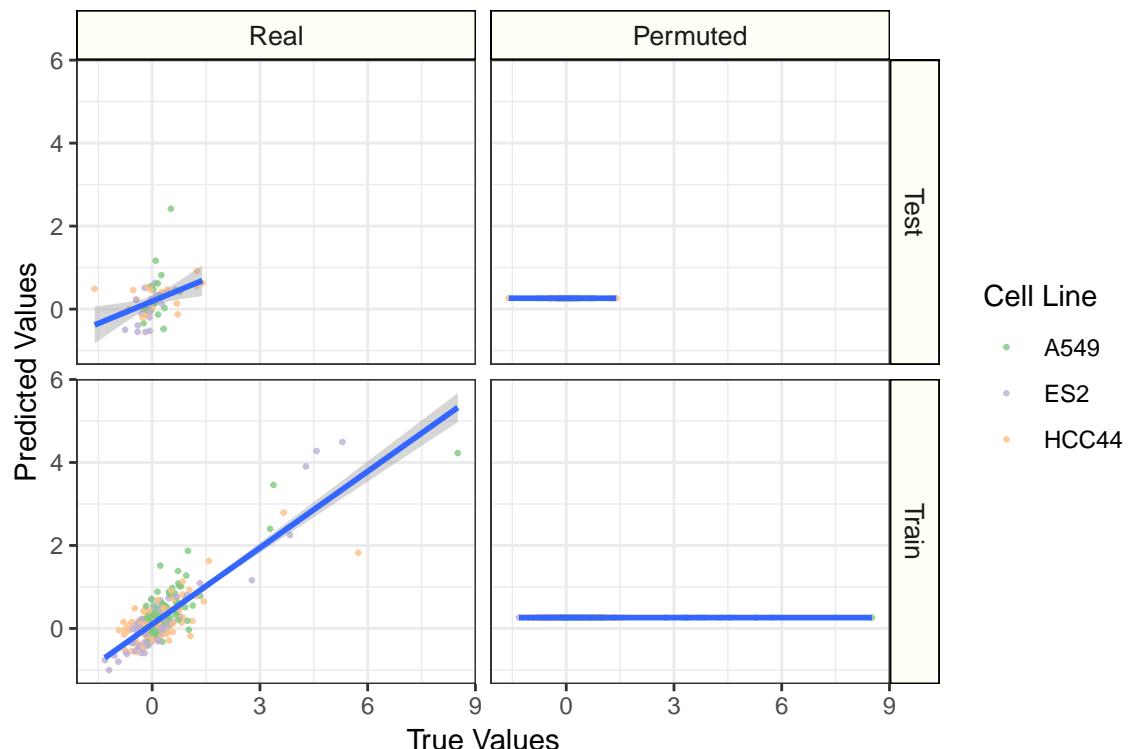


fit	shuffle	transform	r2	value
Train	Real	raw	0.52	0.45
Test	Real	raw	0.24	0.19
Train	Shuffle	raw	0.23	0.71
Test	Shuffle	raw	-0.29	0.32

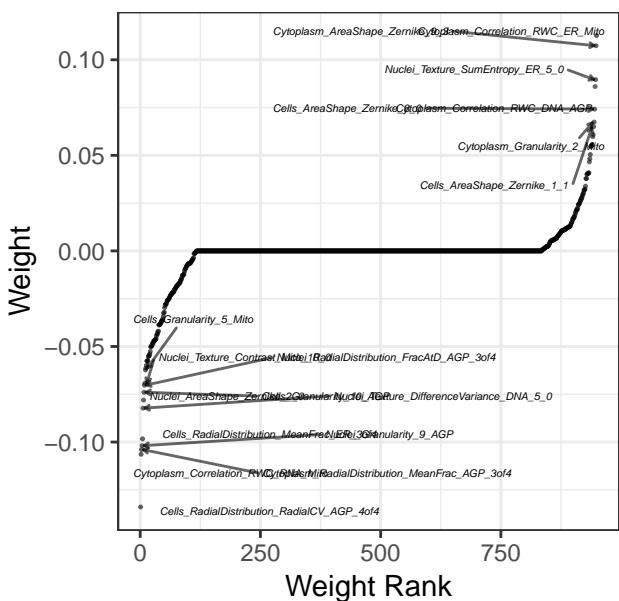


# Performance: cc\_all\_large\_round\_polyplloid\_mean

Transform: raw

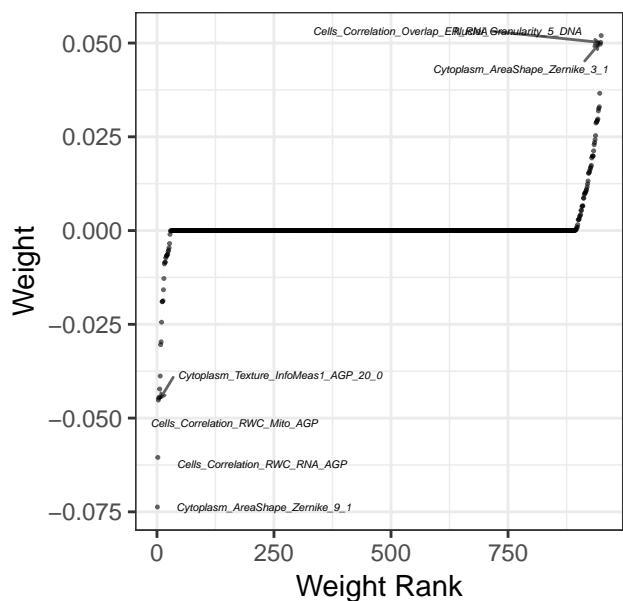
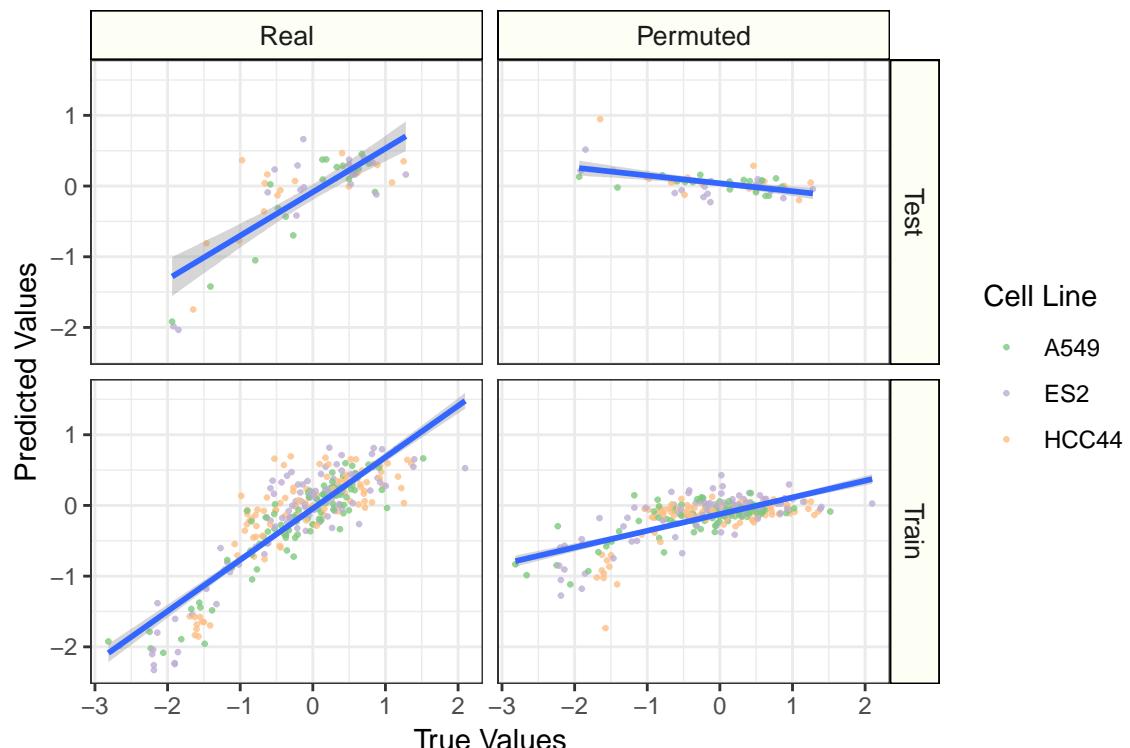


fit	shuffle	transform	r2	value
Train	Real	raw	0.71	0.26
Test	Real	raw	-0.39	0.33
Train	Shuffle	raw	0.00	0.91
Test	Shuffle	raw	-0.20	0.29



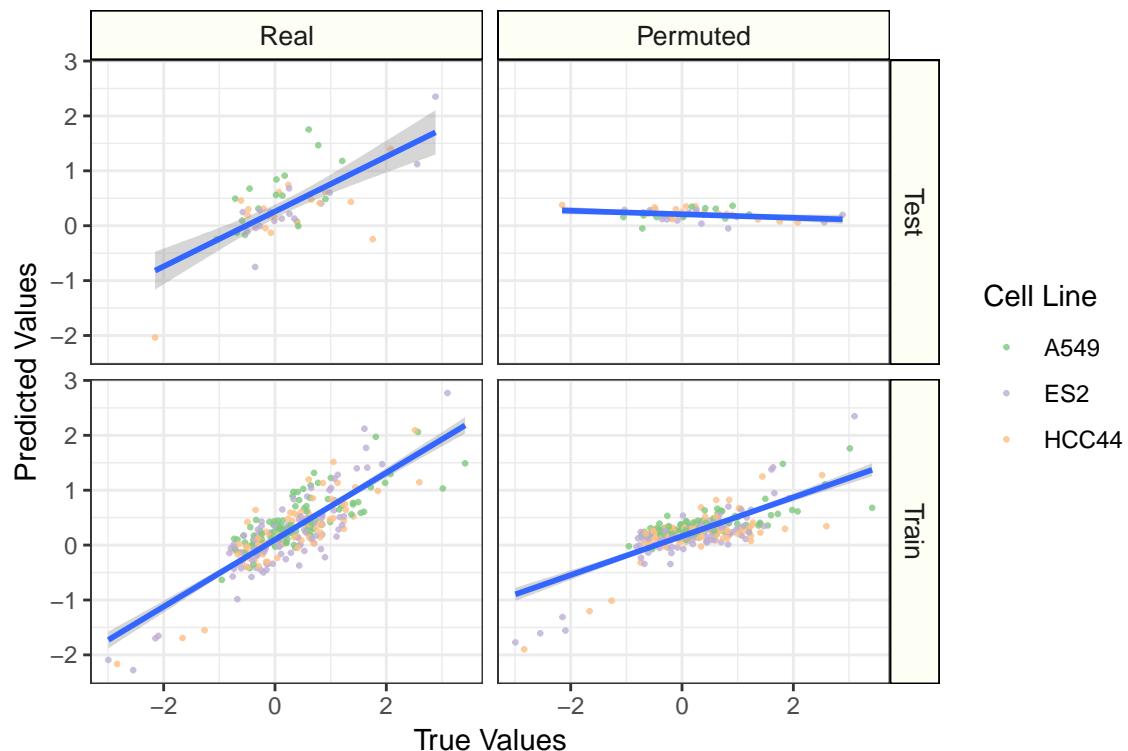
# Performance: cc\_all\_n\_objects

Transform: raw

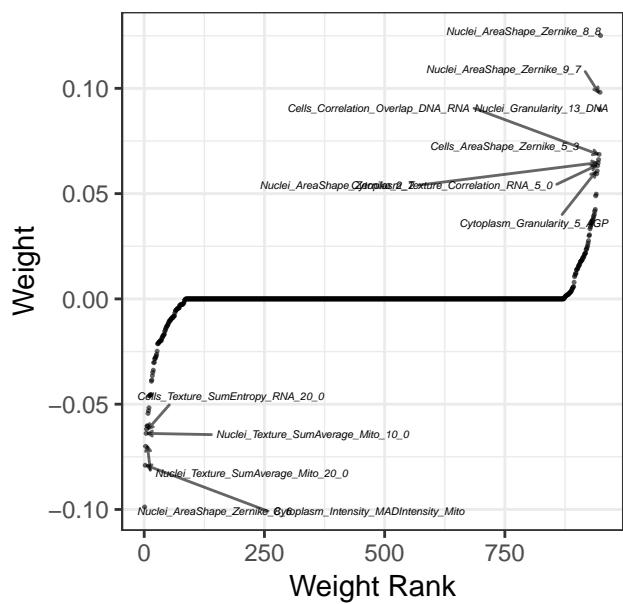


# Performance: cc\_all\_n\_spots\_h2ax\_mean

Transform: raw

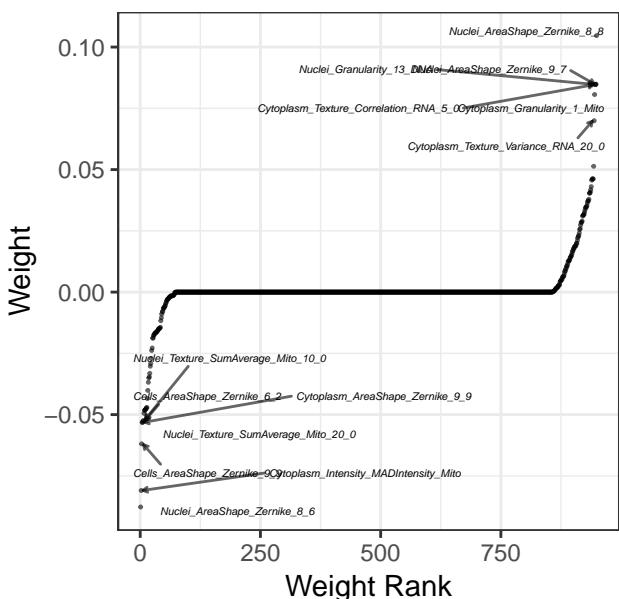
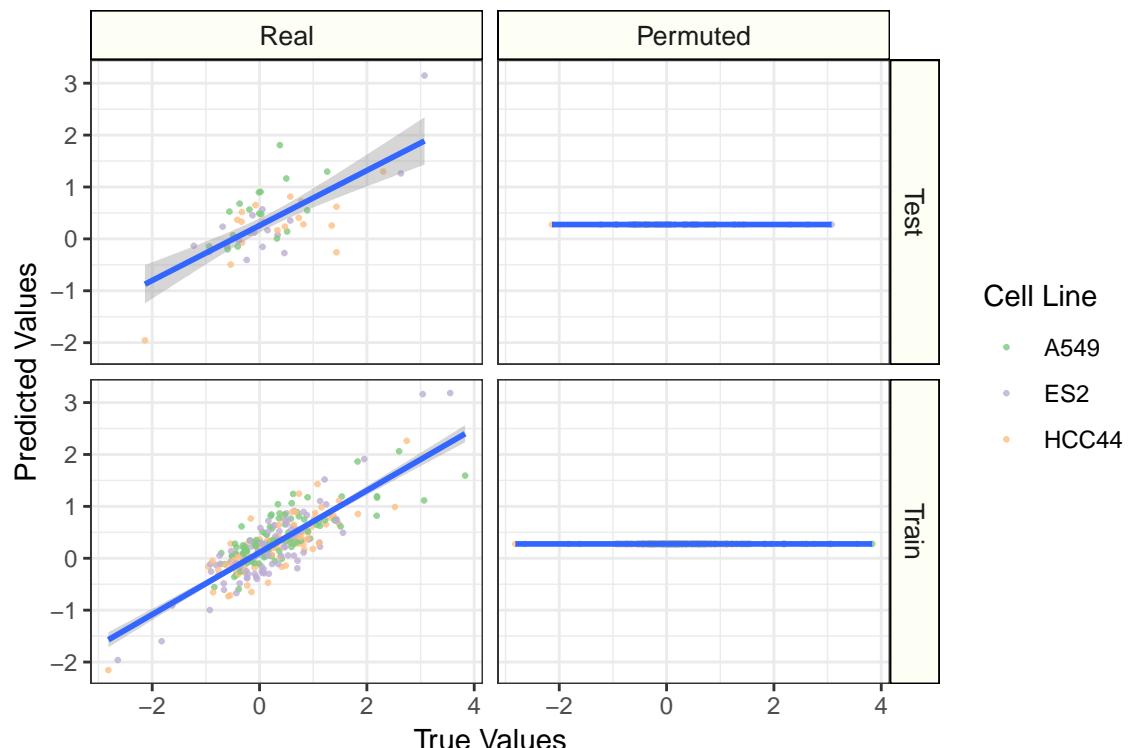


fit	shuffle	transform	r2	value
Train	Real	raw	0.69	0.21
Test	Real	raw	0.45	0.43
Train	Shuffle	raw	0.48	0.35
Test	Shuffle	raw	-0.08	0.85



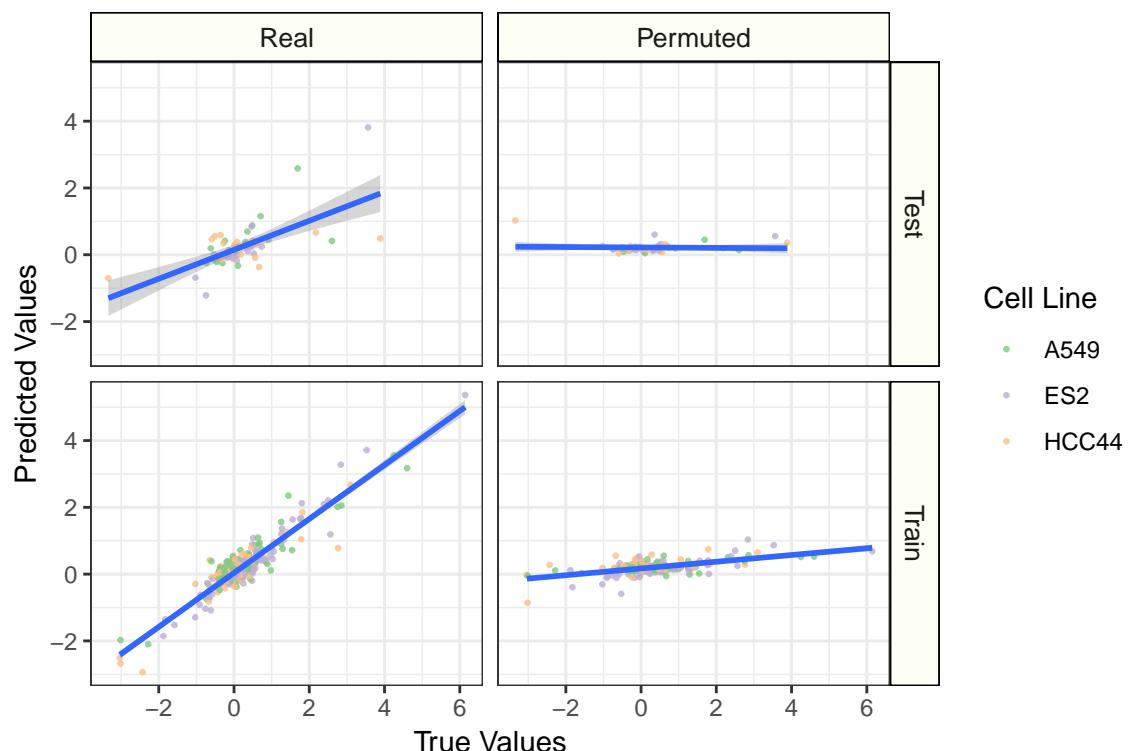
# Performance: cc\_all\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

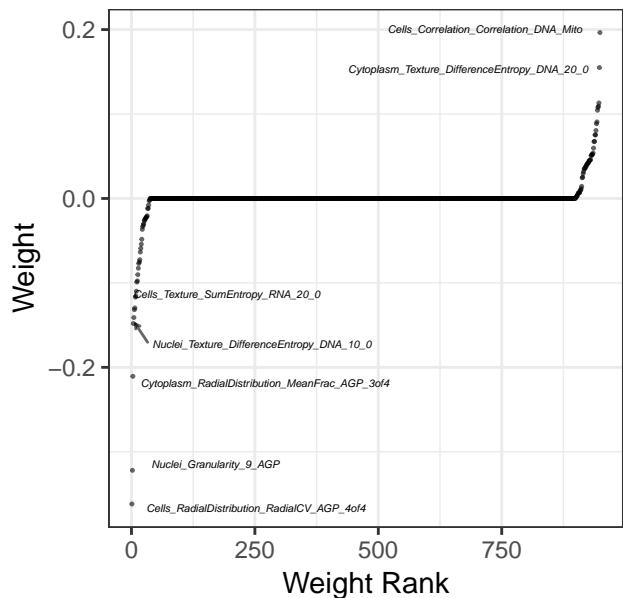


# Performance: cc\_all\_nucleus\_area\_mean

Transform: raw

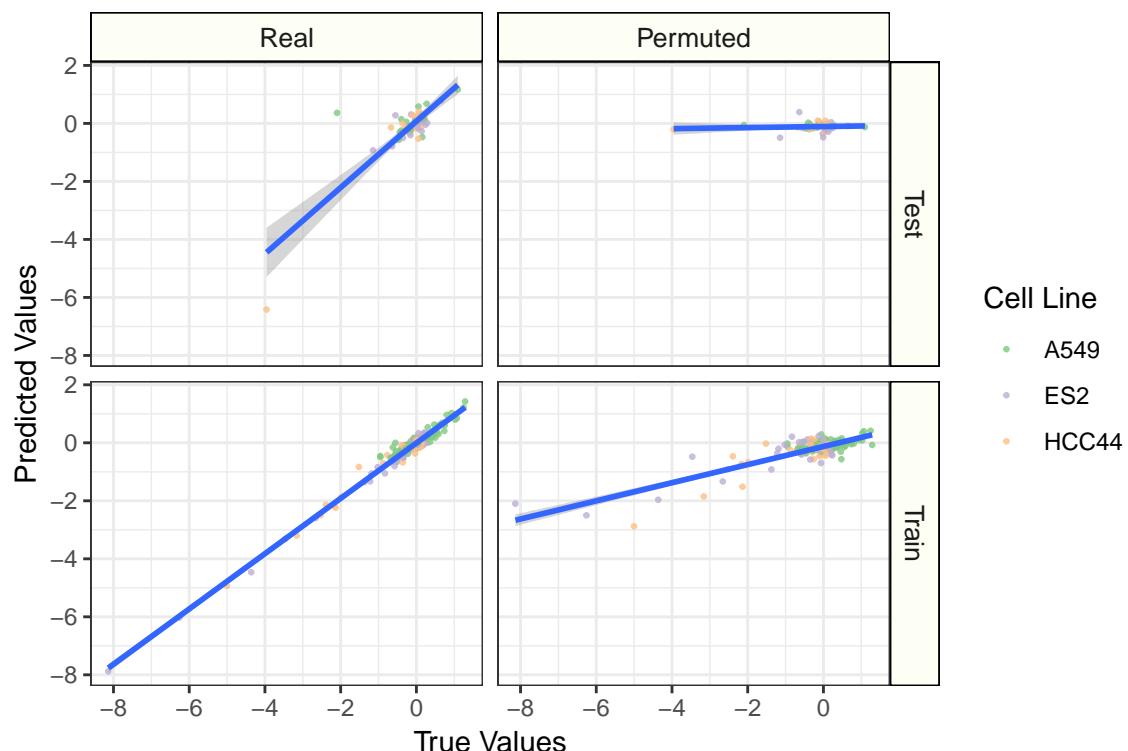


fit	shuffle	transform	r2	value
Train	Real	raw	0.86	0.12
Test	Real	raw	0.41	0.67
Train	Shuffle	raw	0.17	0.74
Test	Shuffle	raw	-0.03	1.17

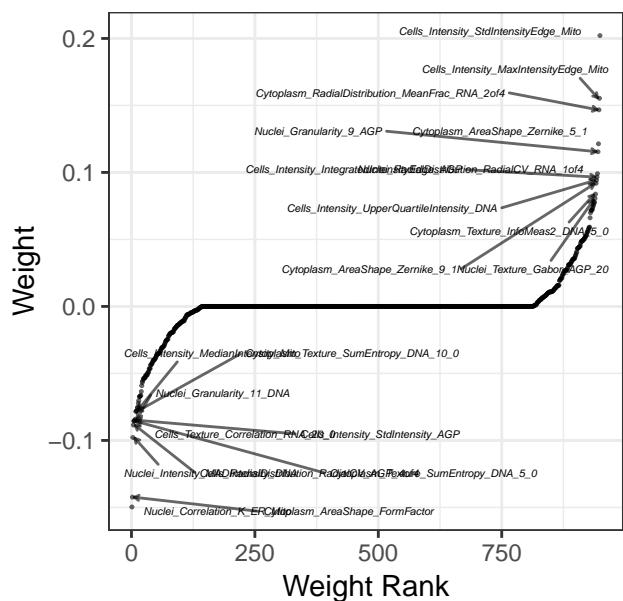


# Performance: cc\_all\_nucleus\_roundness\_mean

## Transform: raw

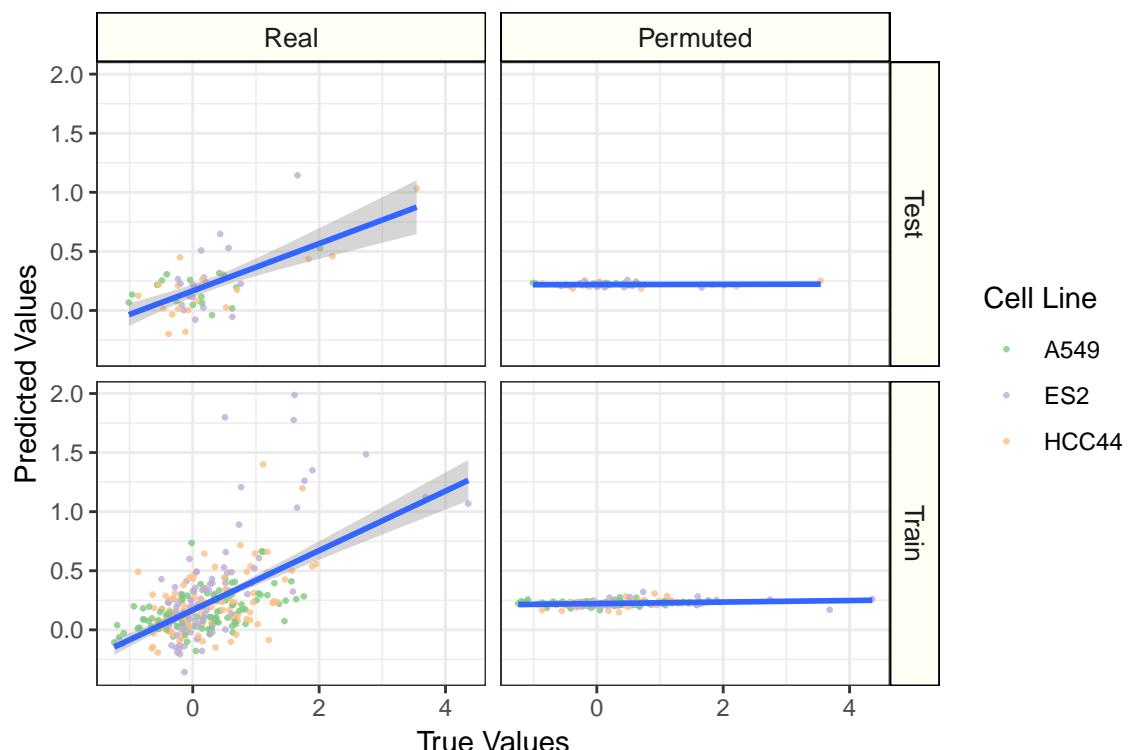


fit	shuffle	transform	r2	value
Train	Real	raw	0.97	0.02
Test	Real	raw	0.34	0.30
Train	Shuffle	raw	0.48	0.40
Test	Shuffle	raw	-0.01	0.46

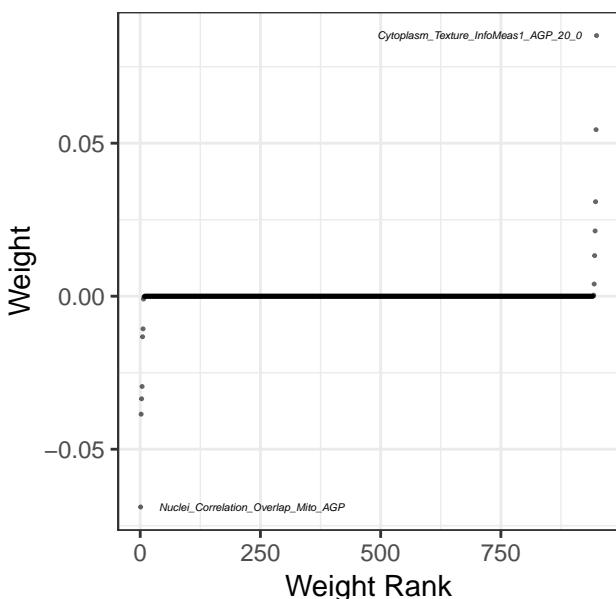


# Performance: cc\_cc\_early\_mitosis

Transform: raw

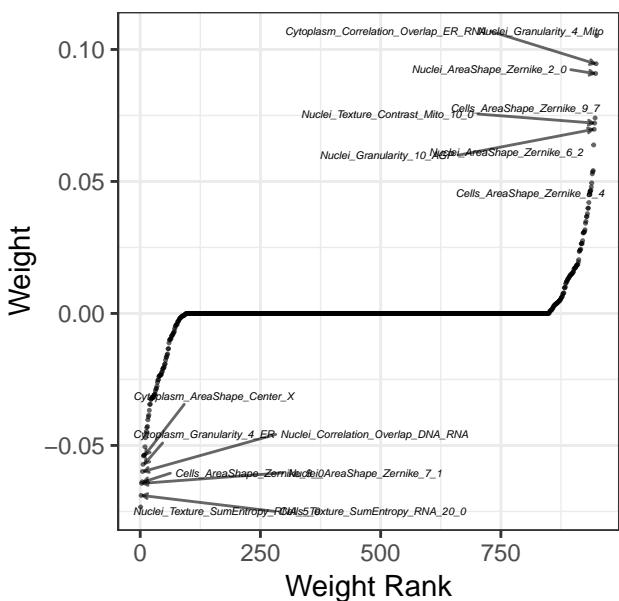
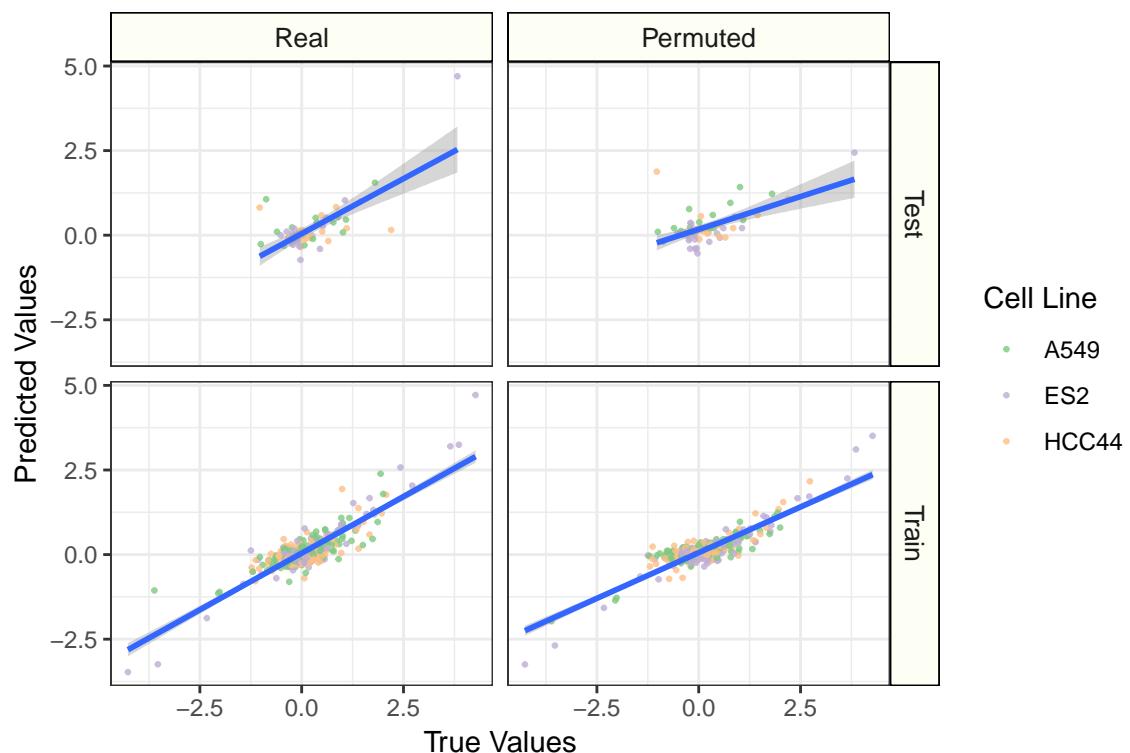


fit	shuffle	transform	r2	value
Train	Real	raw	0.31	0.34
Test	Real	raw	0.30	0.44
Train	Shuffle	raw	0.01	0.49
Test	Shuffle	raw	0.00	0.63



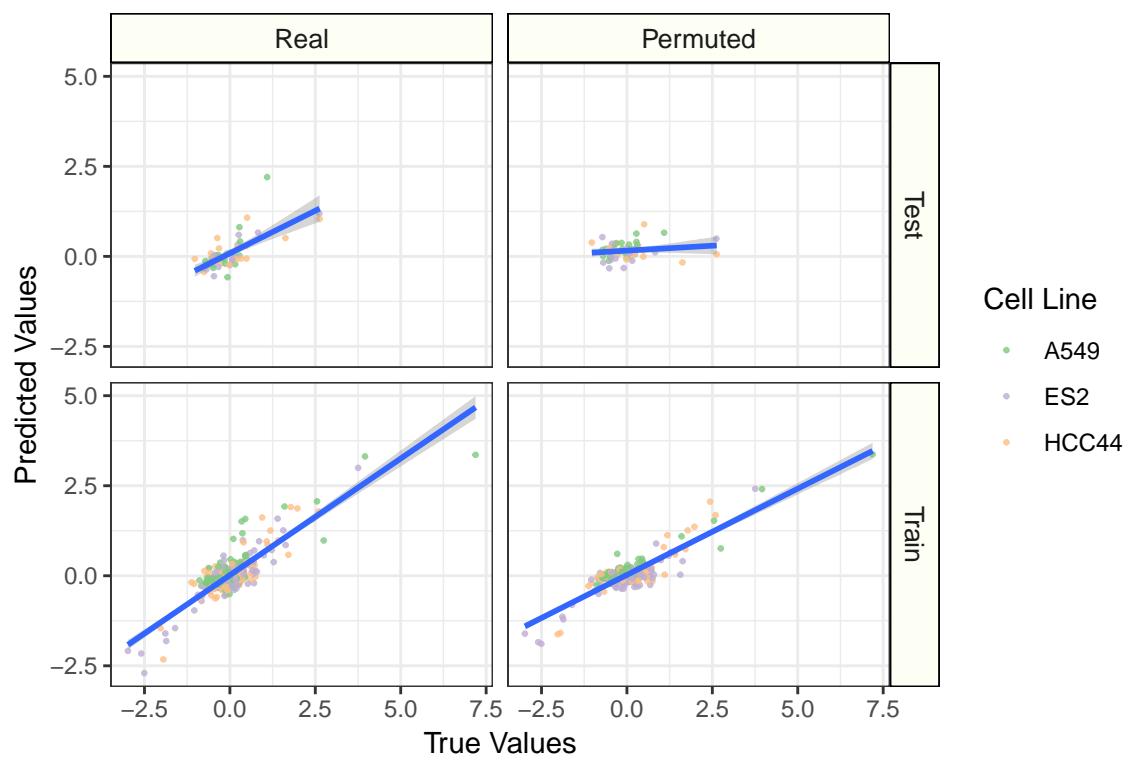
# Performance: cc\_cc\_g1

Transform: raw

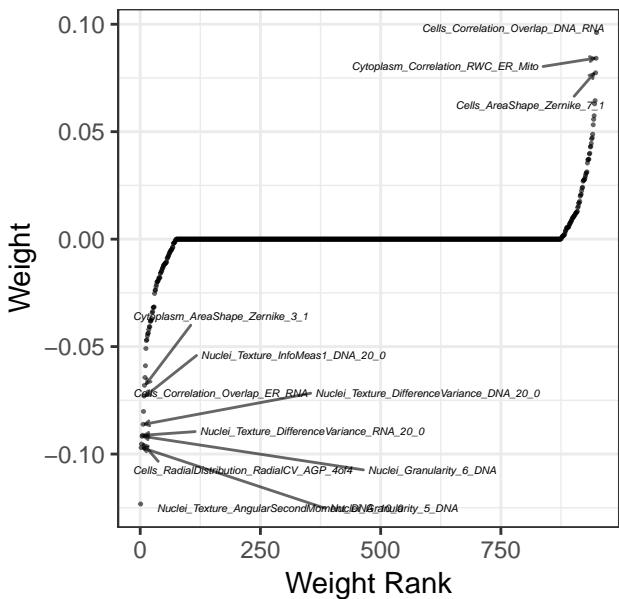


# Performance: cc\_cc\_g2

## Transform: raw

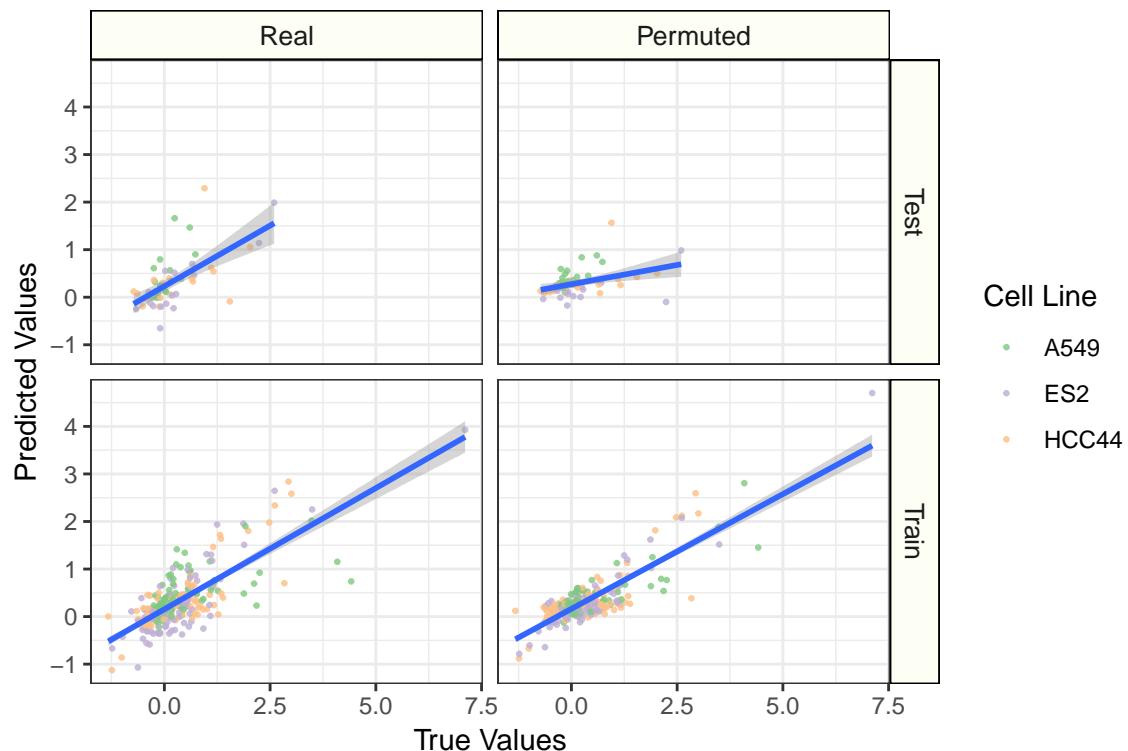


fit	shuffle	transform	r2	value
Train	Real	raw	0.73	0.20
Test	Real	raw	0.47	0.26
Train	Shuffle	raw	0.65	0.25
Test	Shuffle	raw	-0.05	0.52

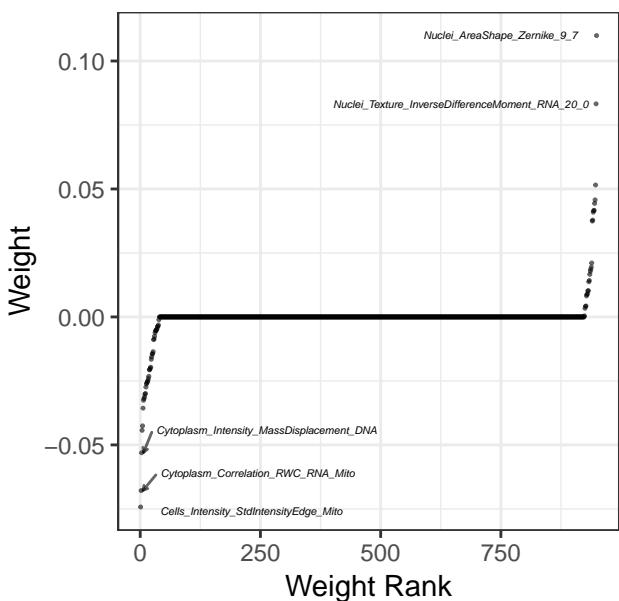


# Performance: cc\_cc\_high\_h2ax

Transform: raw

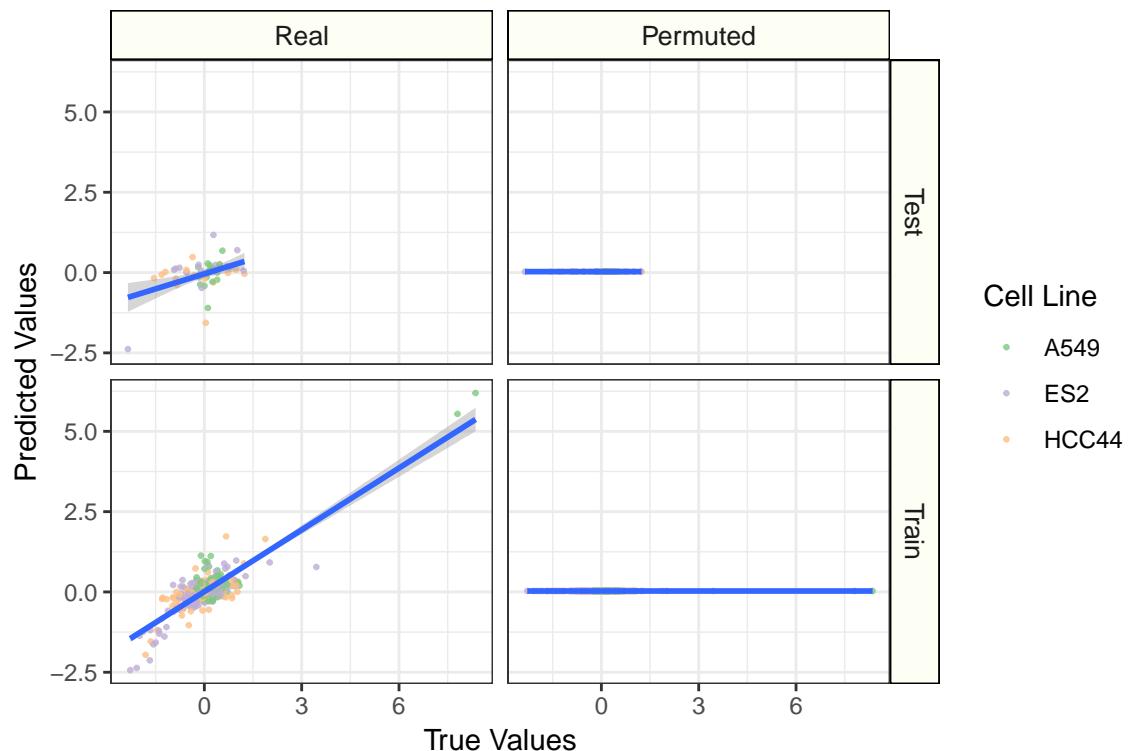


fit	shuffle	transform	r2	value
Train	Real	raw	0.58	0.33
Test	Real	raw	0.33	0.32
Train	Shuffle	raw	0.64	0.28
Test	Shuffle	raw	0.13	0.41

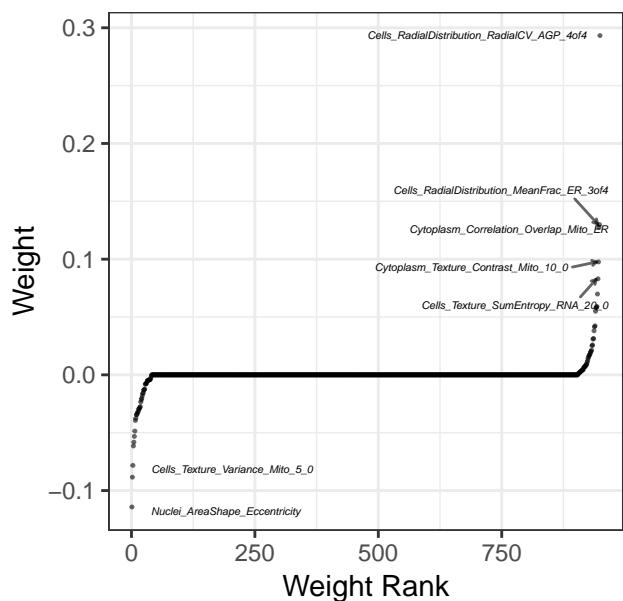


# Performance: cc\_cc\_late\_mitosis

Transform: raw

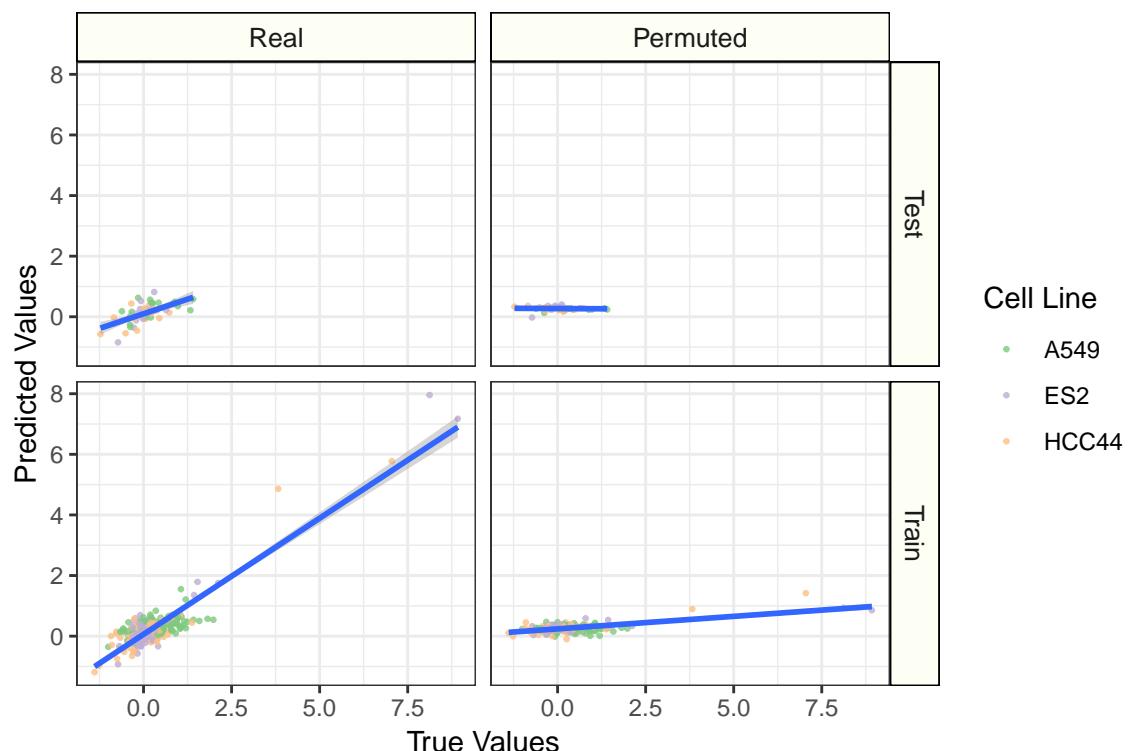


fit	shuffle	transform	r2	value
Train	Real	raw	0.72	0.24
Test	Real	raw	0.09	0.43
Train	Shuffle	raw	0.00	0.86
Test	Shuffle	raw	-0.01	0.47

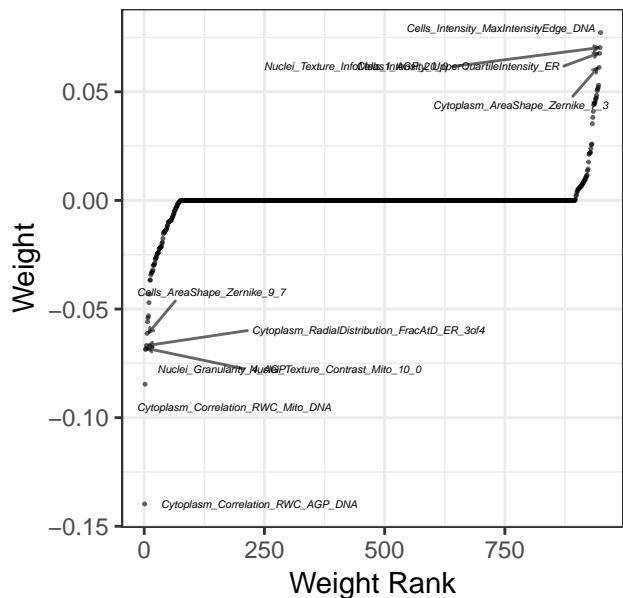


# Performance: cc\_cc\_mitosis

Transform: raw

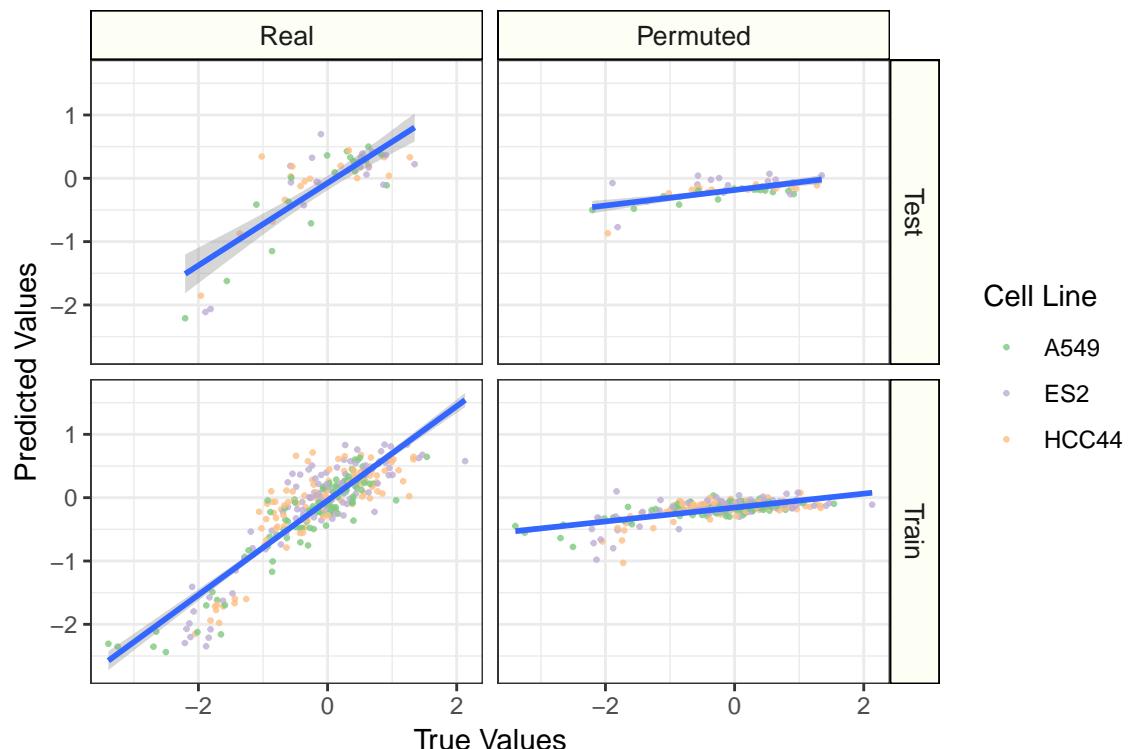


fit	shuffle	transform	r2	value
Train	Real	raw	0.82	0.17
Test	Real	raw	0.31	0.15
Train	Shuffle	raw	0.15	0.78
Test	Shuffle	raw	-0.21	0.27

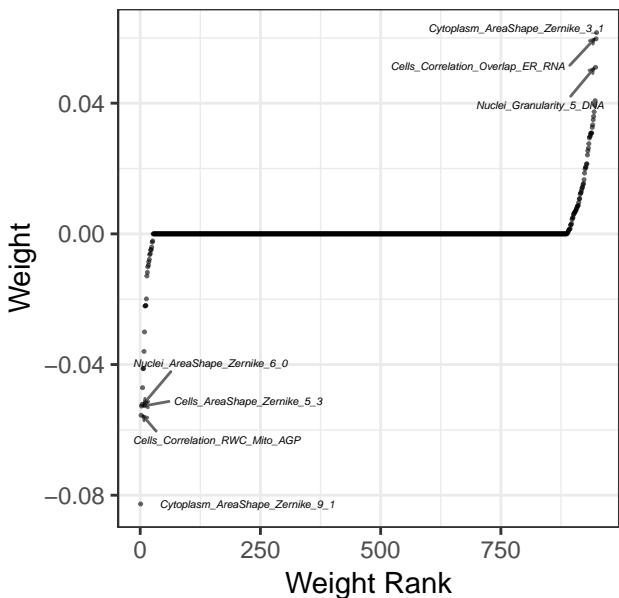


# Performance: cc\_cc\_n\_objects

Transform: raw

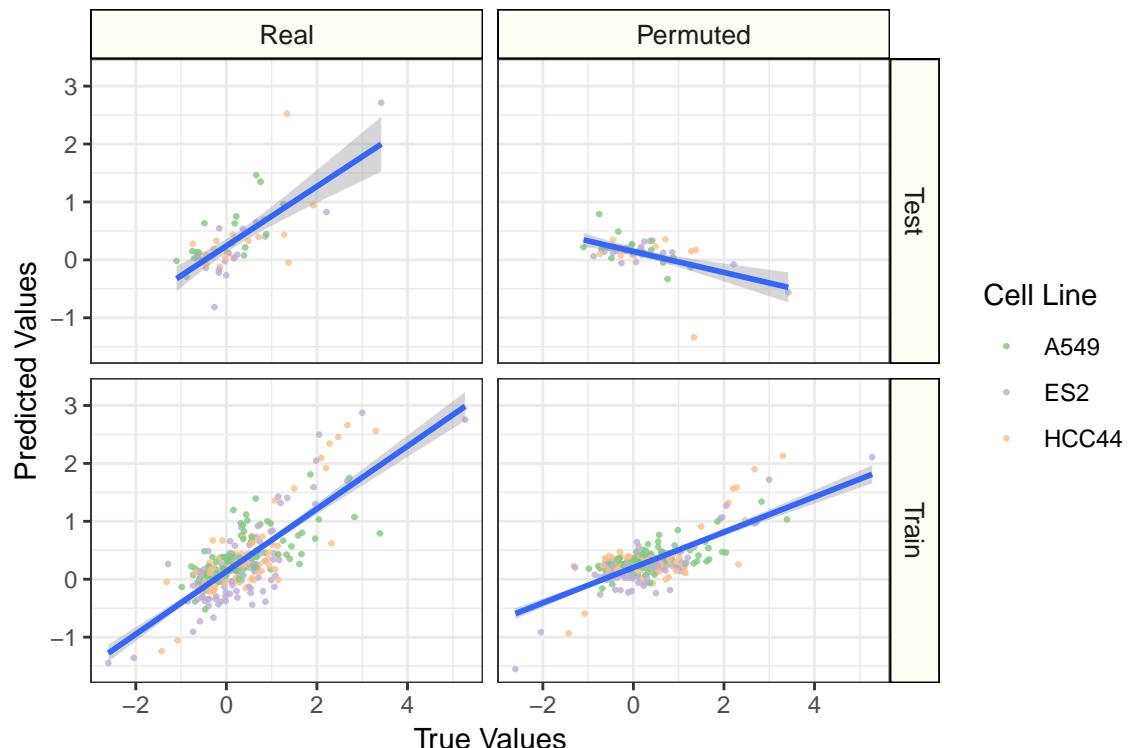


fit	shuffle	transform	r2	value
Train	Real	raw	0.78	0.16
Test	Real	raw	0.64	0.26
Train	Shuffle	raw	0.19	0.60
Test	Shuffle	raw	0.19	0.59

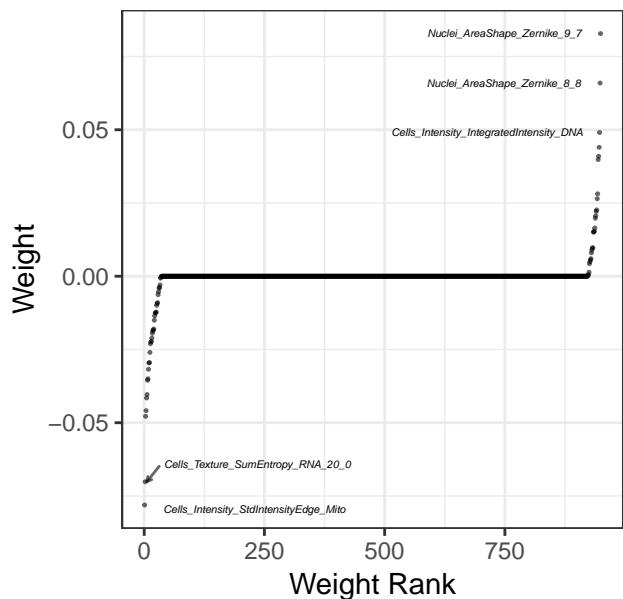


# Performance: cc\_cc\_n\_spots\_h2ax\_mean

Transform: raw

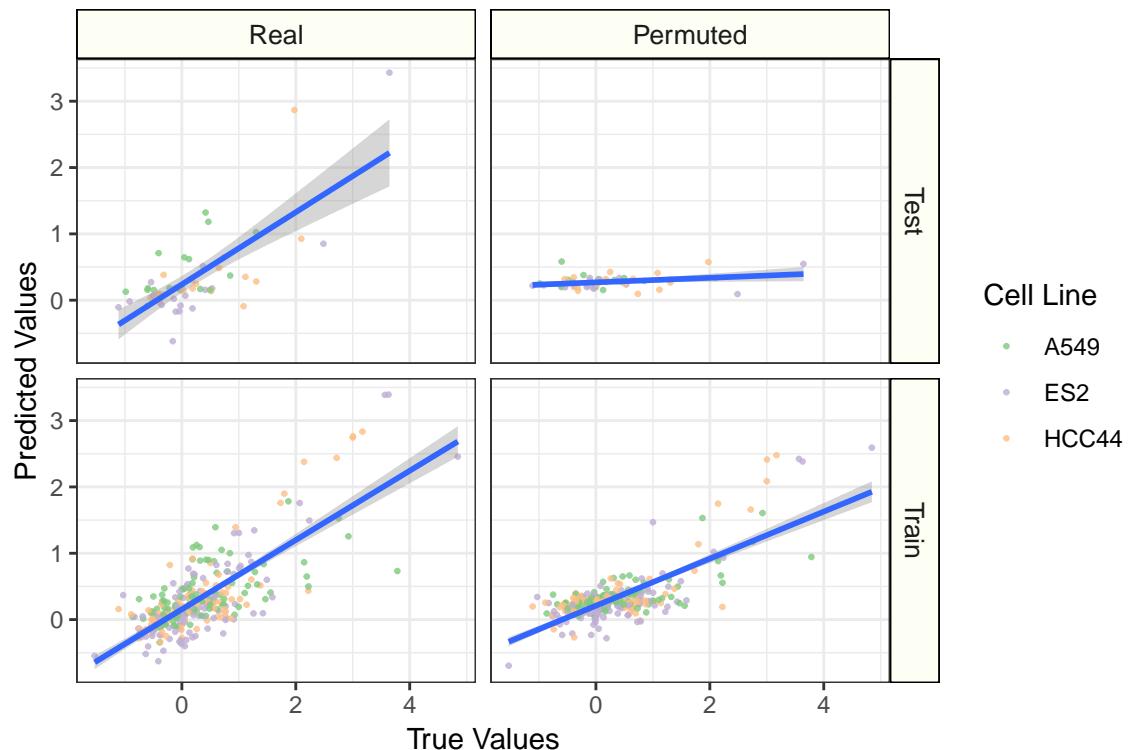


fit	shuffle	transform	r2	value
Train	Real	raw	0.60	0.30
Test	Real	raw	0.47	0.36
Train	Shuffle	raw	0.45	0.42
Test	Shuffle	raw	-0.48	1.01

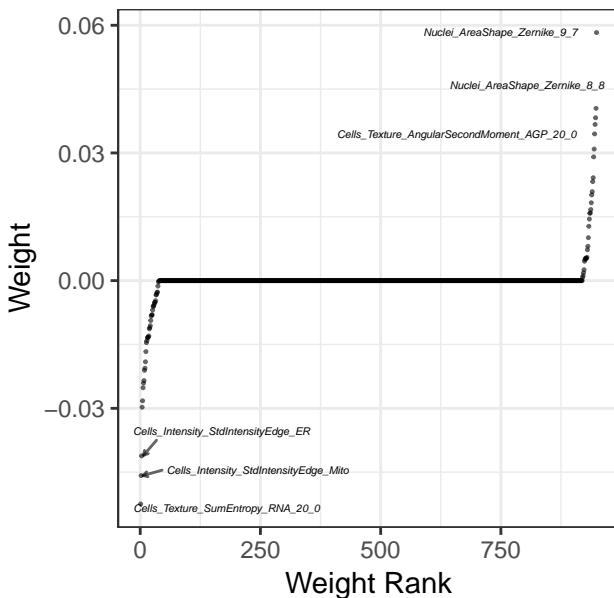


# Performance: cc\_cc\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

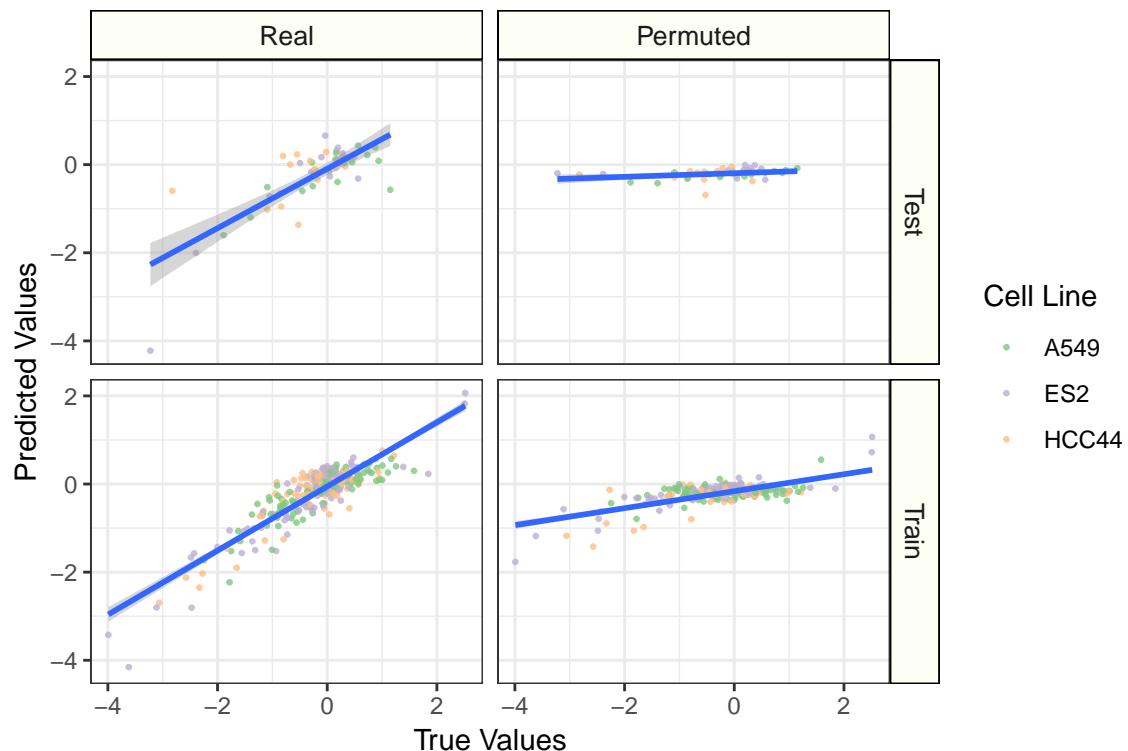


fit	shuffle	transform	r2	value
Train	Real	raw	0.58	0.30
Test	Real	raw	0.50	0.38
Train	Shuffle	raw	0.49	0.36
Test	Shuffle	raw	0.05	0.73

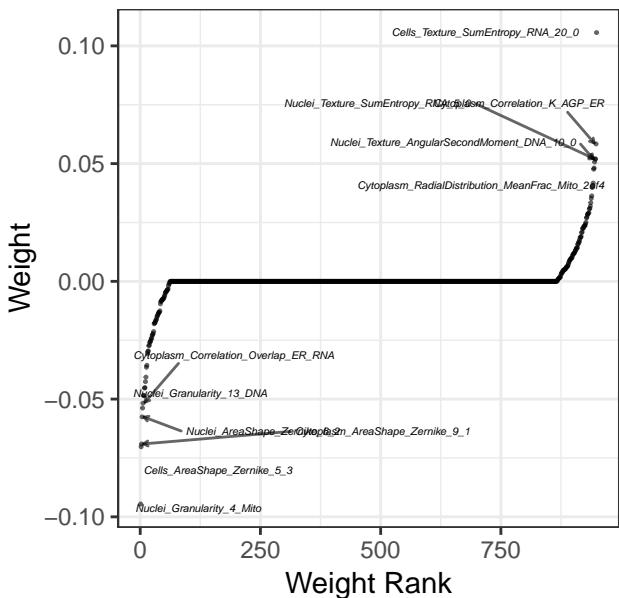


# Performance: cc\_cc\_s

Transform: raw

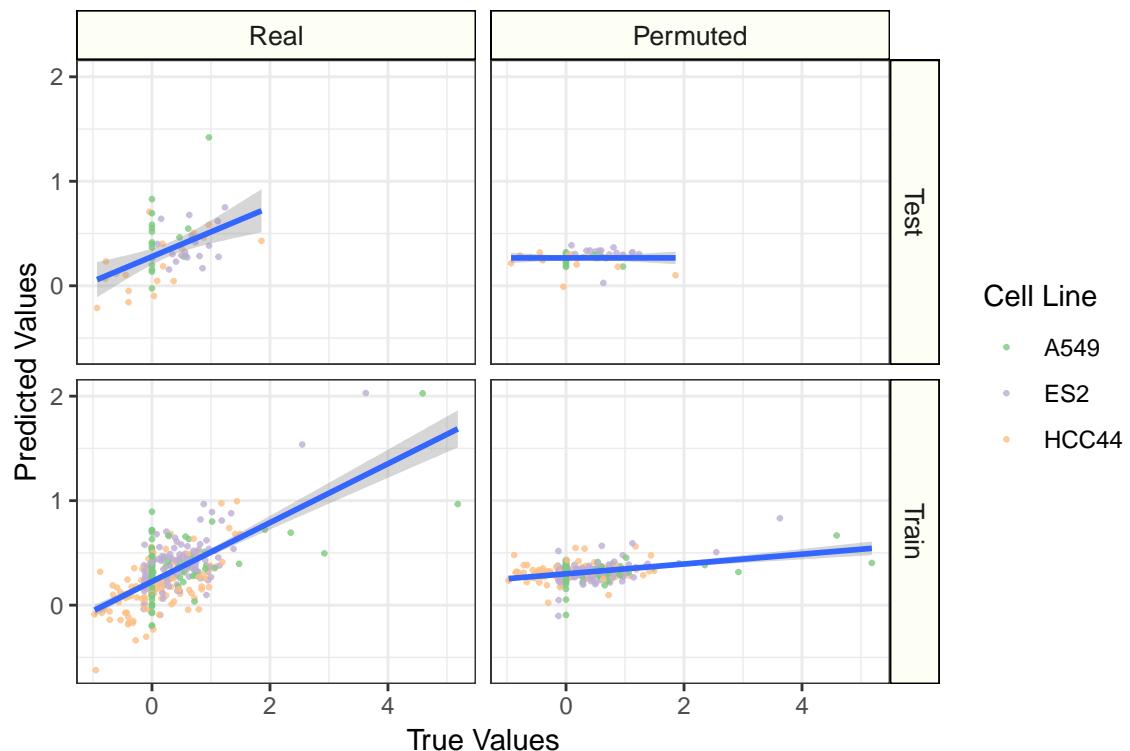


fit	shuffle	transform	r2	value
Train	Real	raw	0.79	0.15
Test	Real	raw	0.57	0.32
Train	Shuffle	raw	0.31	0.48
Test	Shuffle	raw	0.06	0.69

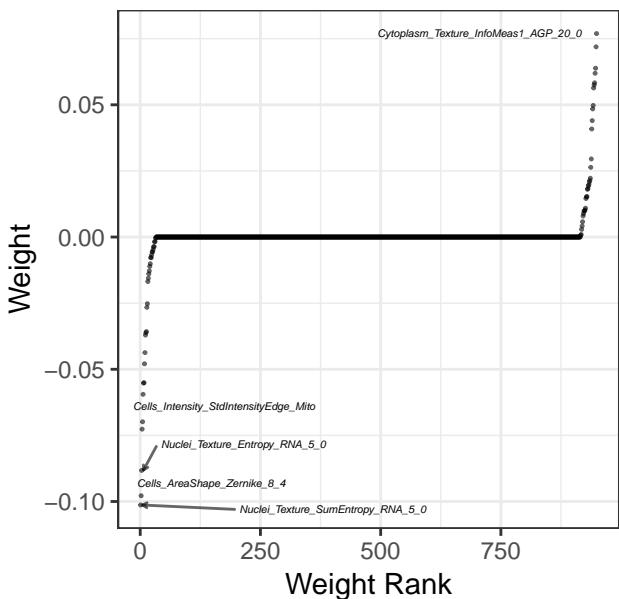


# Performance: cc\_early\_mitosis\_high\_h2ax

Transform: raw

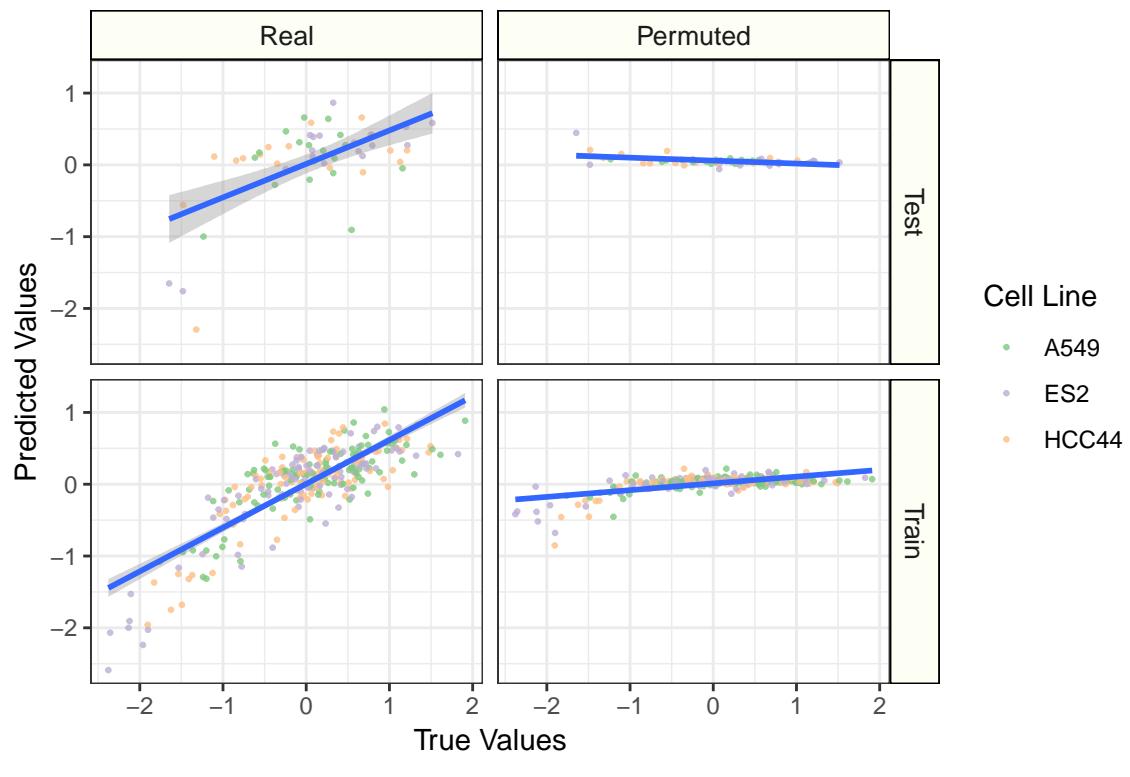


fit	shuffle	transform	r2	value
Train	Real	raw	0.38	0.28
Test	Real	raw	0.21	0.23
Train	Shuffle	raw	0.08	0.42
Test	Shuffle	raw	-0.02	0.30

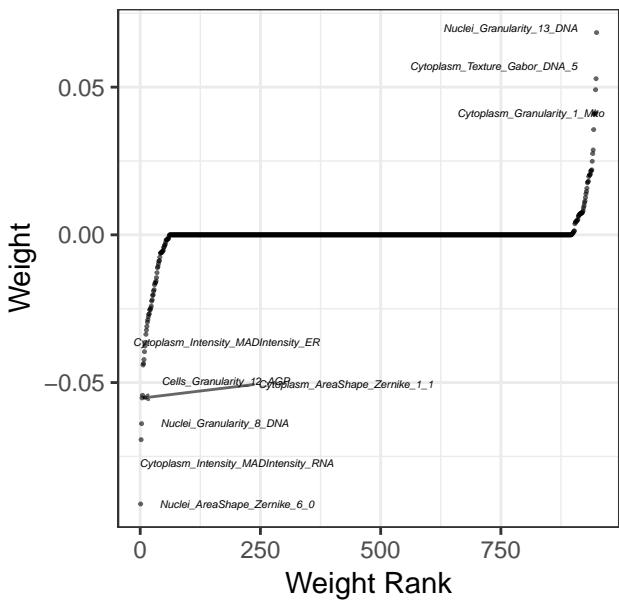


# Performance: cc\_early\_mitosis\_n\_objects

Transform: raw

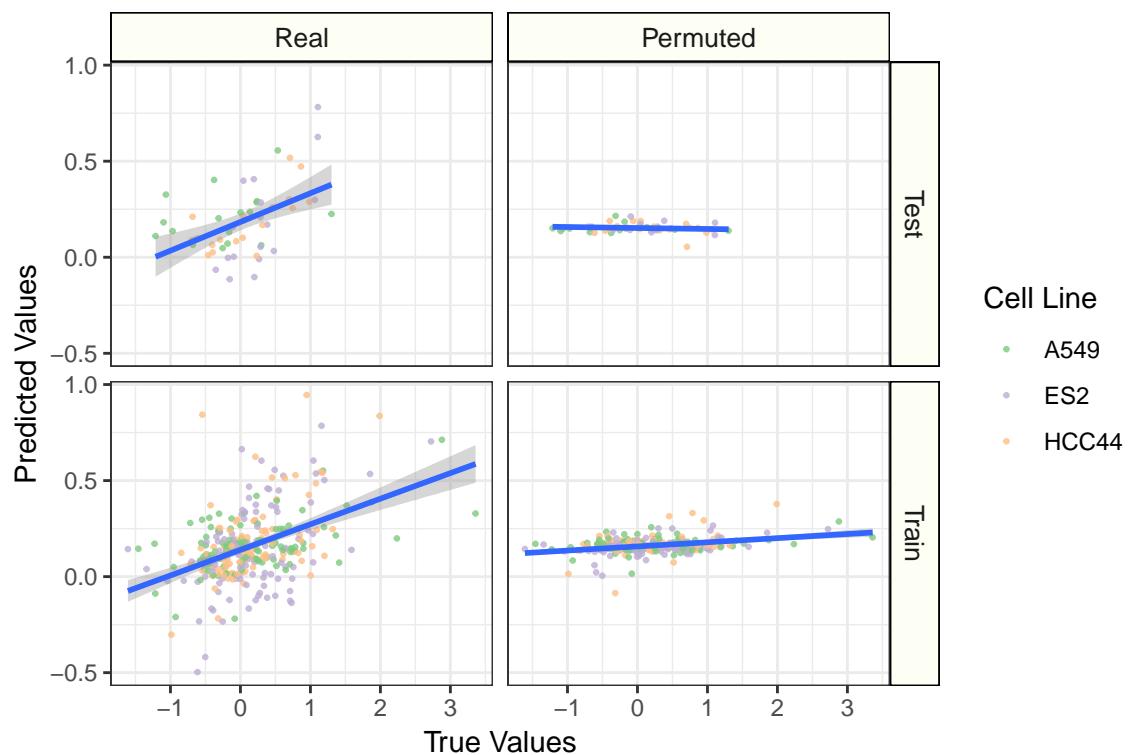


fit	shuffle	transform	r2	value
Train	Real	raw	0.66	0.20
Test	Real	raw	0.31	0.38
Train	Shuffle	raw	0.16	0.48
Test	Shuffle	raw	-0.09	0.61

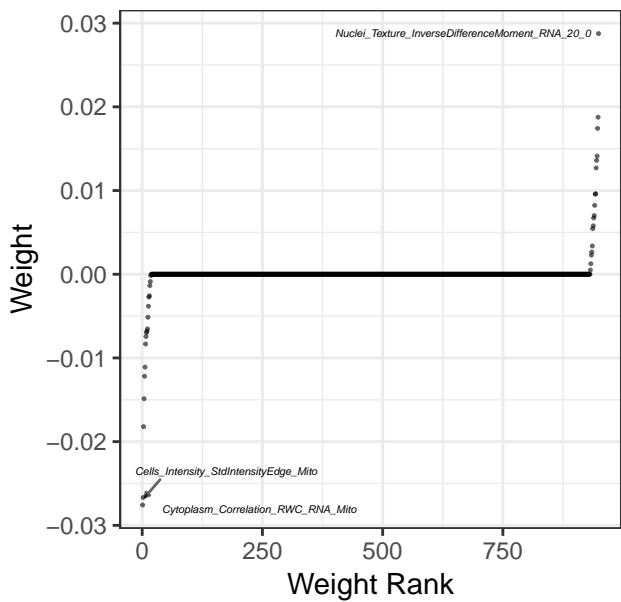


# Performance: cc\_early\_mitosis\_n\_spots\_h2ax\_mean

Transform: raw

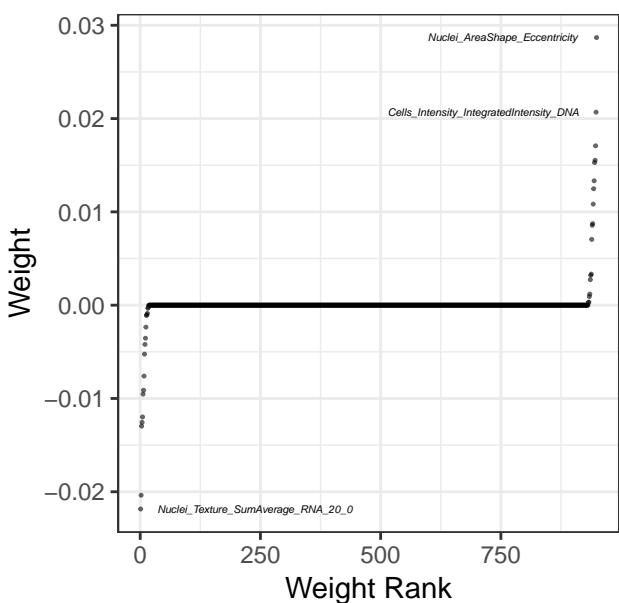
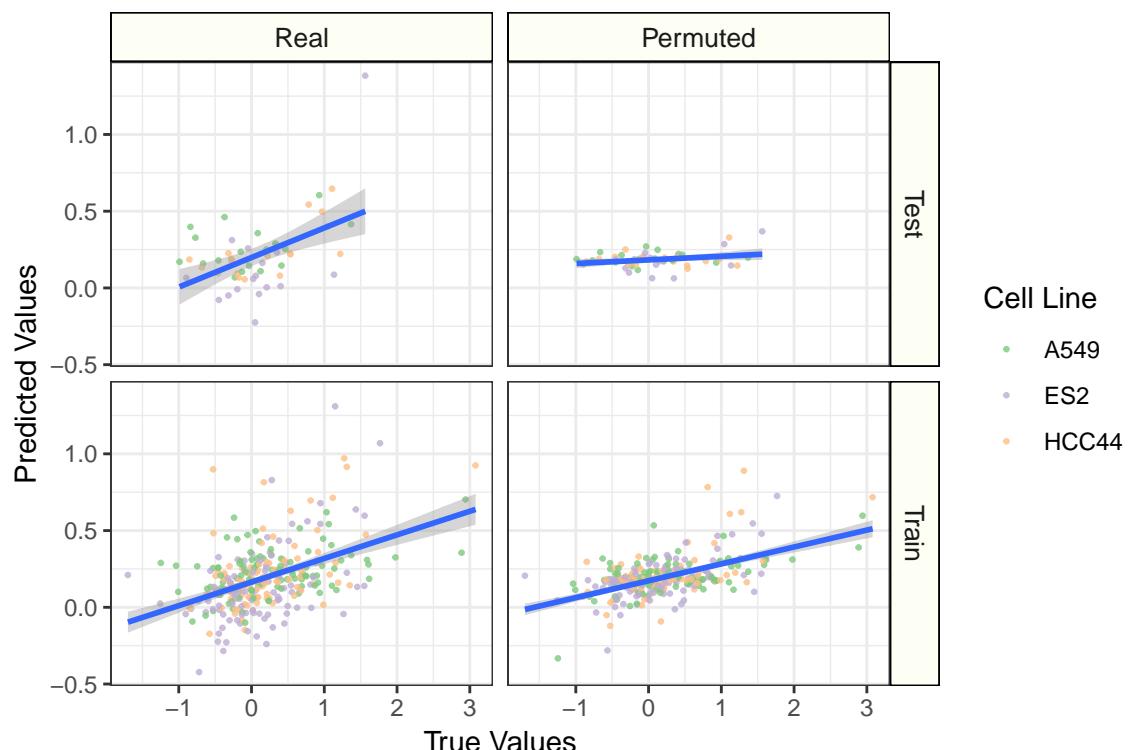


fit	shuffle	transform	r2	value
Train	Real	raw	0.18	0.34
Test	Real	raw	0.14	0.29
Train	Shuffle	raw	0.04	0.40
Test	Shuffle	raw	-0.05	0.35



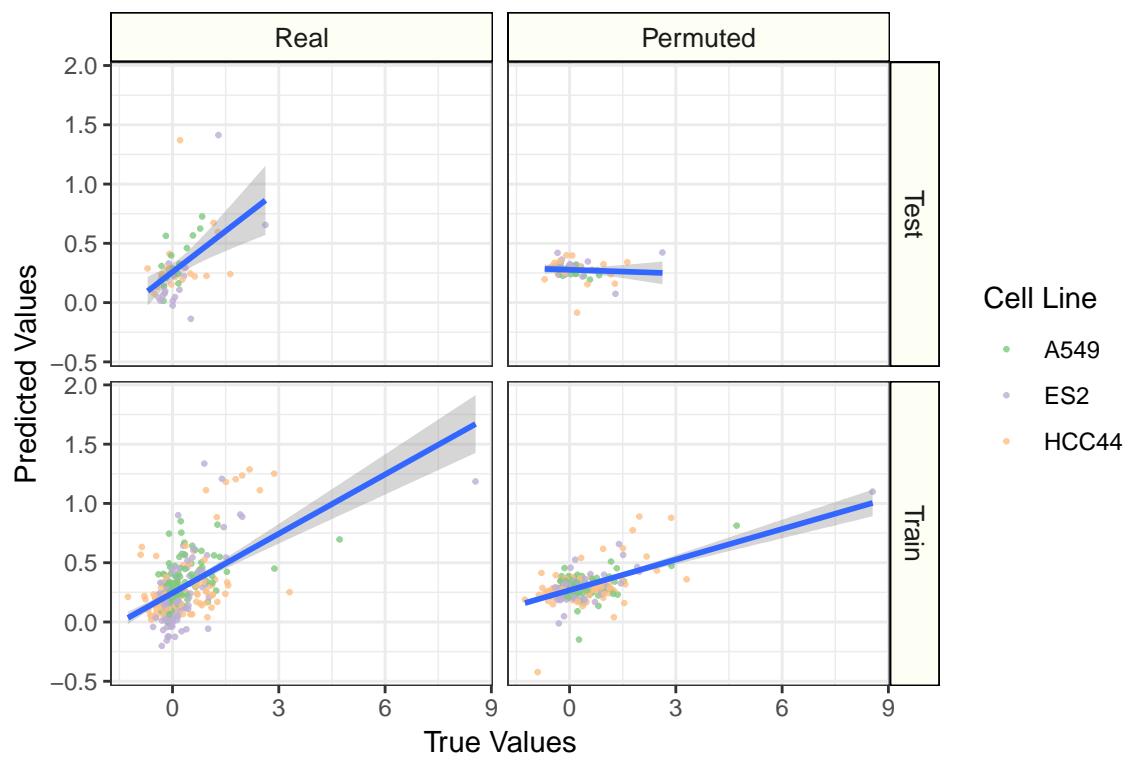
# Performance: cc\_early\_mitosis\_n\_spots\_h2ax\_per\_nucleus\_are

Transform: raw

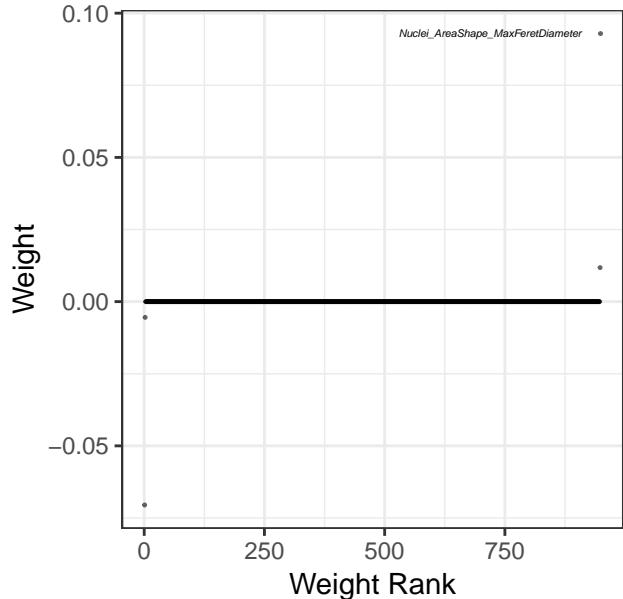


# Performance: cc\_g1\_high\_h2ax

Transform: raw

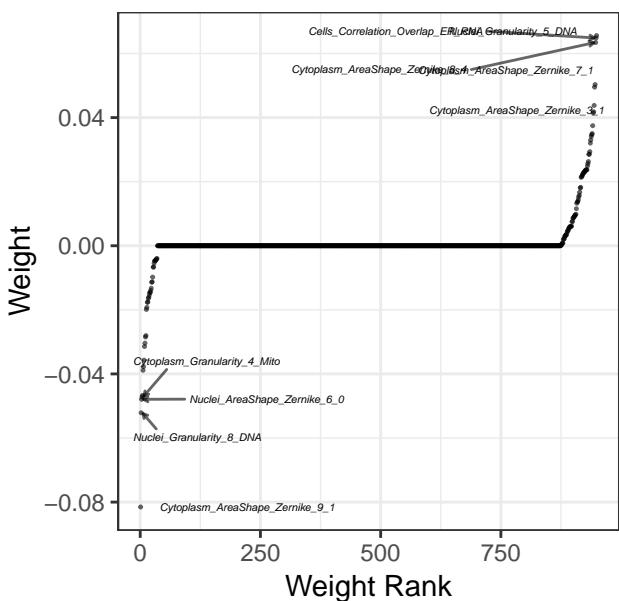
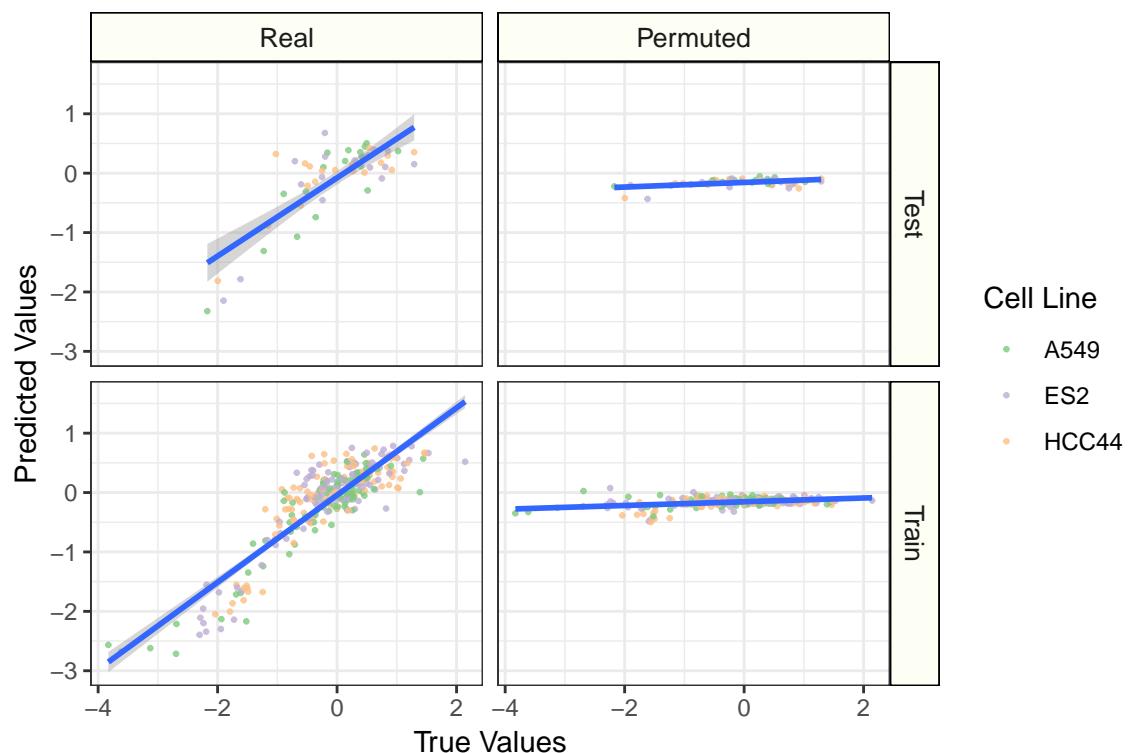


fit	shuffle	transform	r2	value
Train	Real	raw	0.24	0.52
Test	Real	raw	0.19	0.29
Train	Shuffle	raw	0.15	0.58
Test	Shuffle	raw	-0.08	0.38



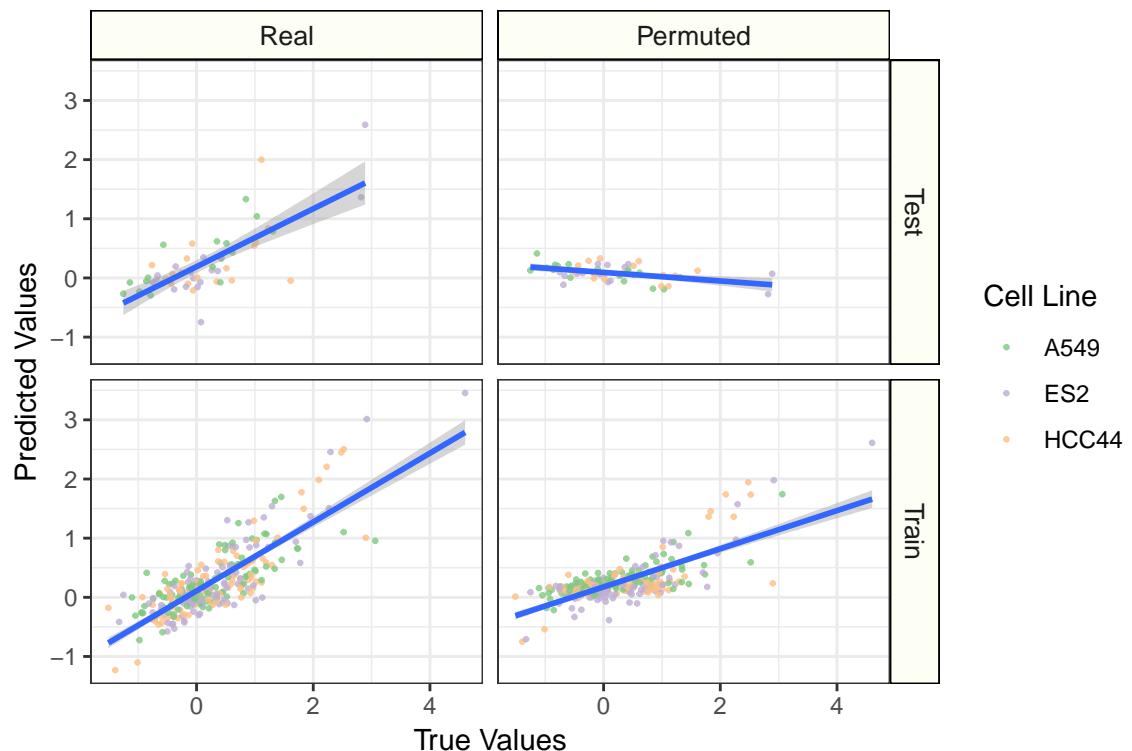
# Performance: cc\_g1\_n\_objects

## Transform: raw

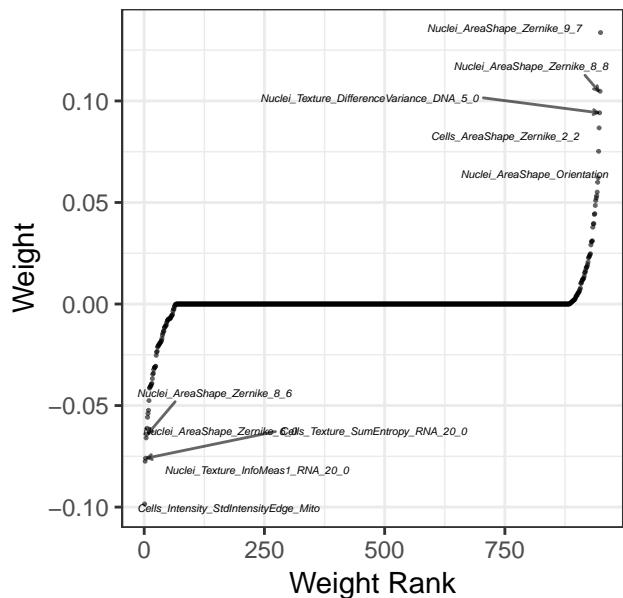


# Performance: cc\_g1\_n\_spots\_h2ax\_mean

Transform: raw

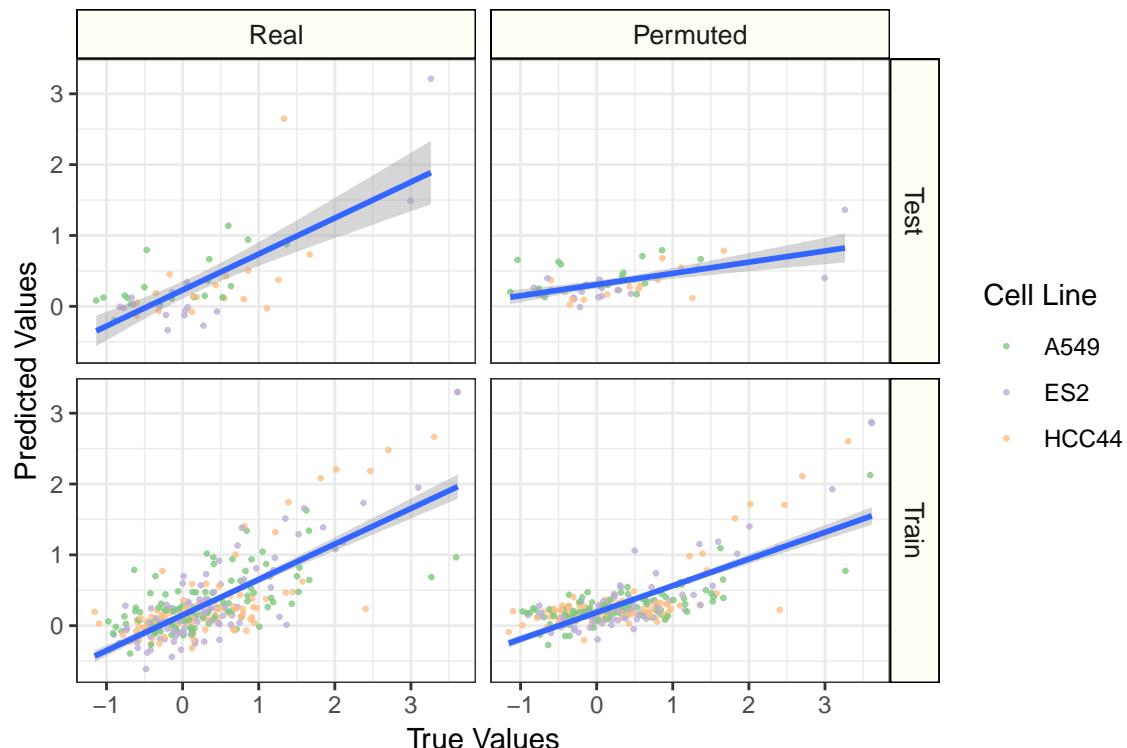


fit	shuffle	transform	r2	value
Train	Real	raw	0.65	0.22
Test	Real	raw	0.51	0.35
Train	Shuffle	raw	0.45	0.36
Test	Shuffle	raw	-0.17	0.84

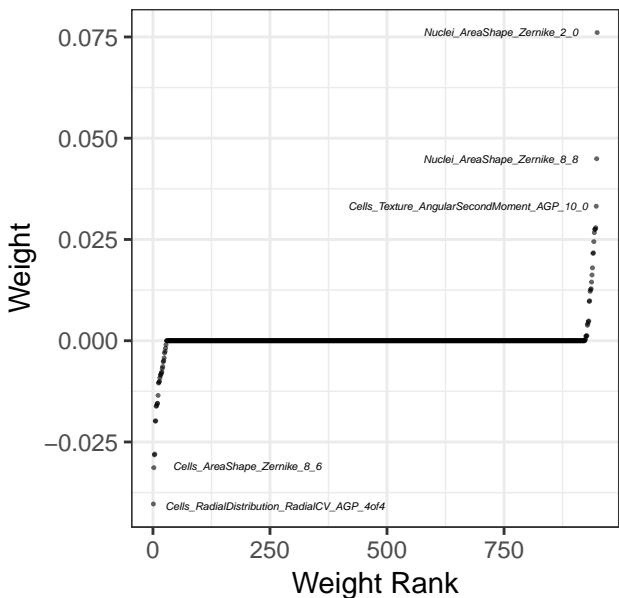


# Performance: cc\_g1\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

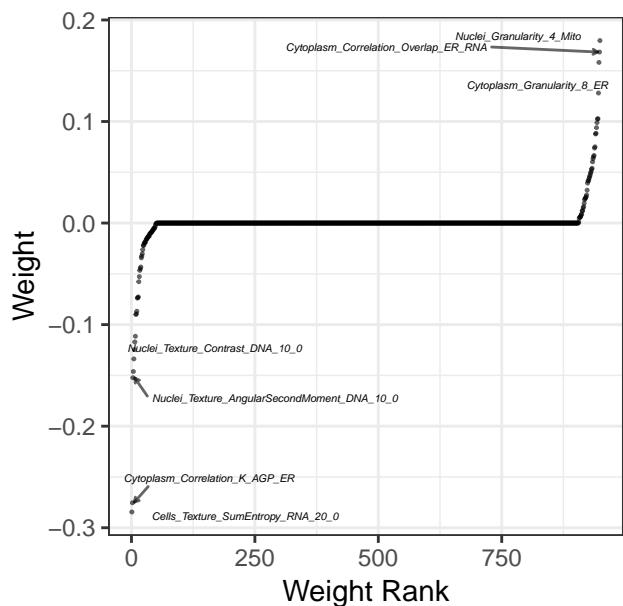
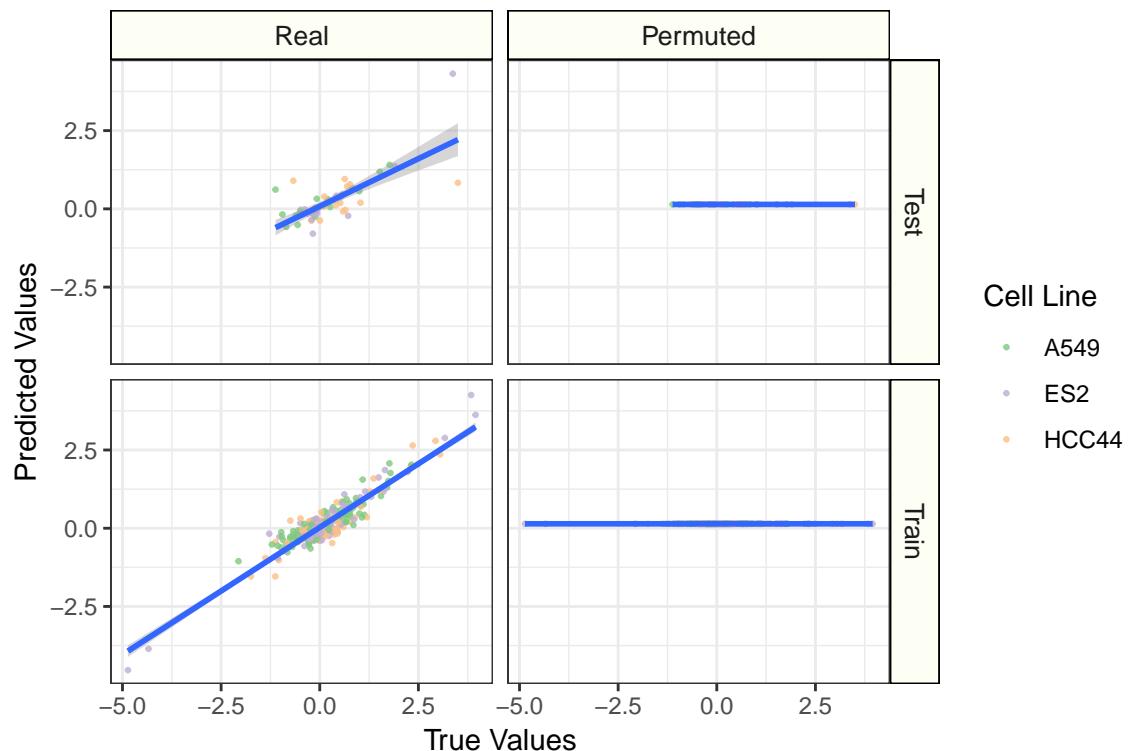


fit	shuffle	transform	r2	value
Train	Real	raw	0.55	0.29
Test	Real	raw	0.48	0.40
Train	Shuffle	raw	0.51	0.32
Test	Shuffle	raw	0.20	0.61



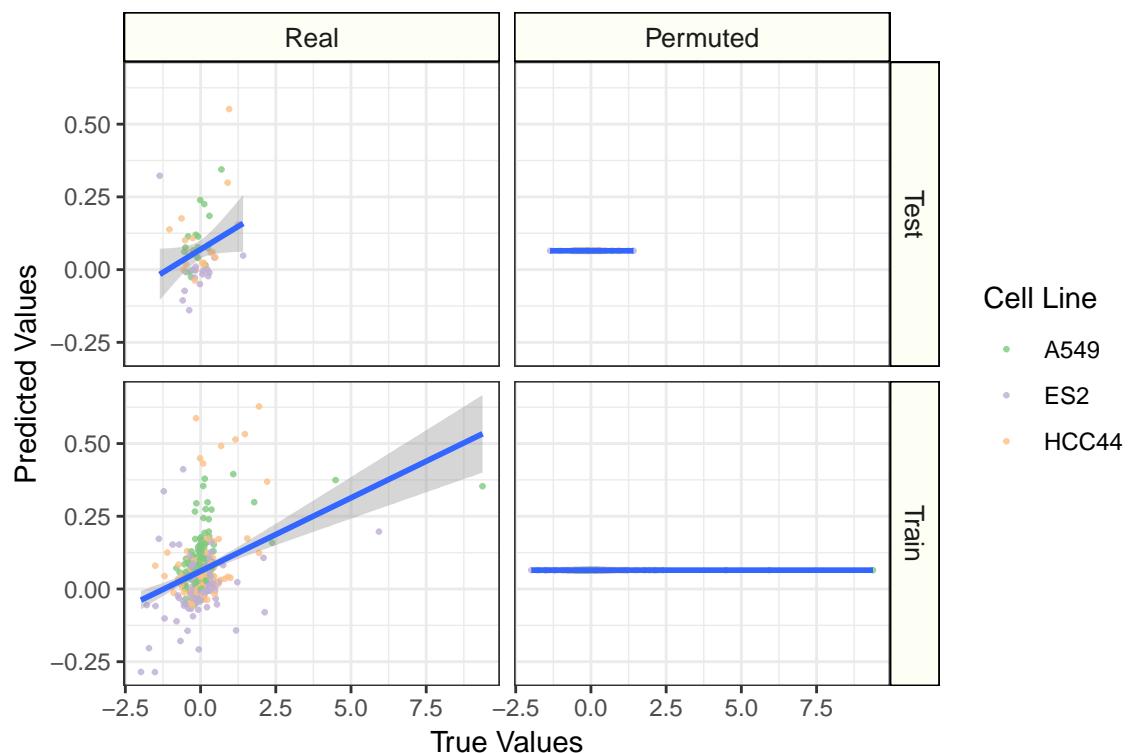
# Performance: cc\_g1\_plus\_g2\_count

Transform: raw

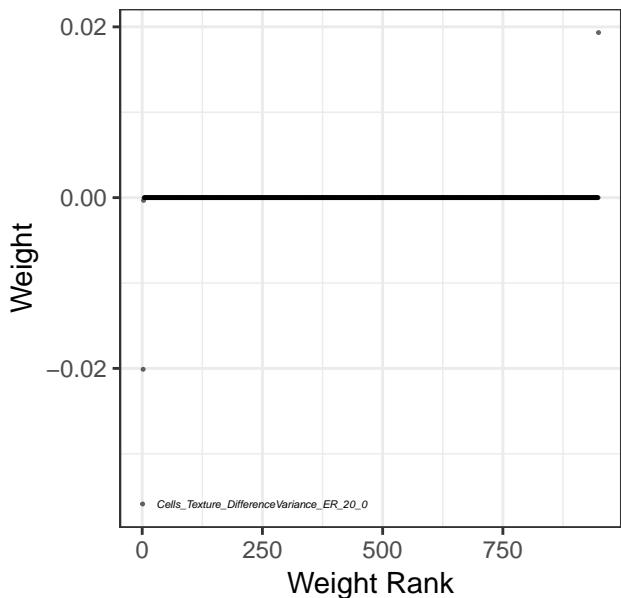


# Performance: cc\_g2\_g1\_count

Transform: raw

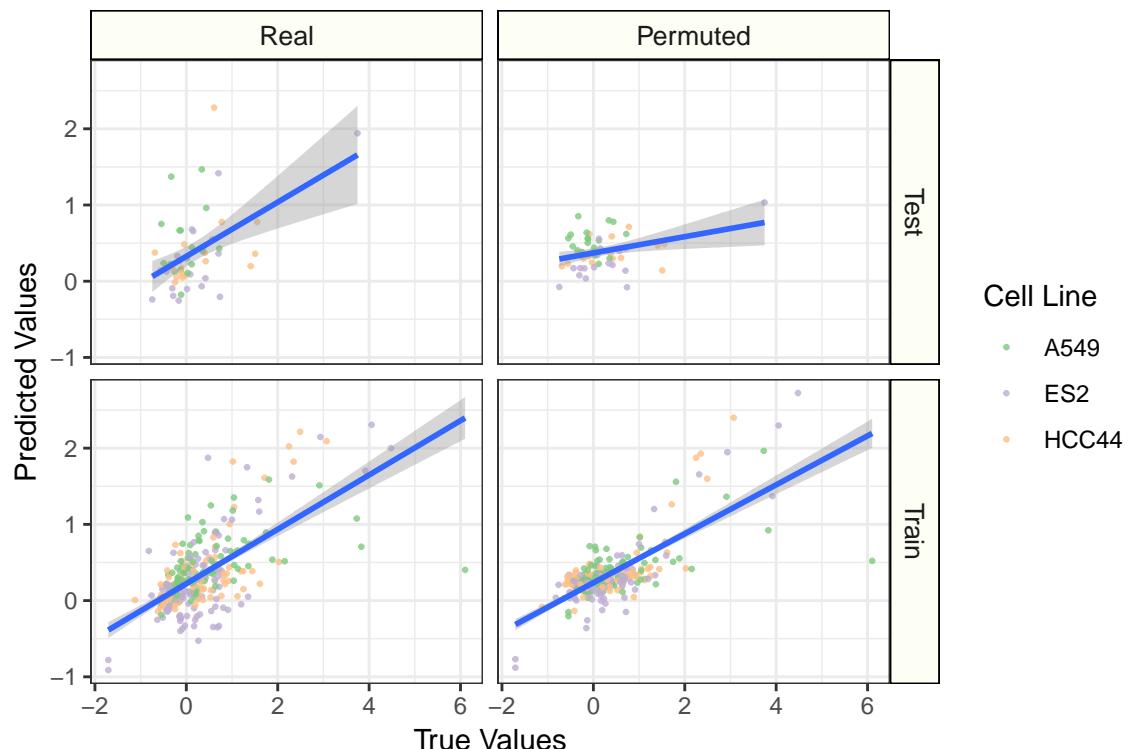


fit	shuffle	transform	r2	value
Train	Real	raw	0.08	0.72
Test	Real	raw	0.02	0.25
Train	Shuffle	raw	0.00	0.79
Test	Shuffle	raw	-0.05	0.27

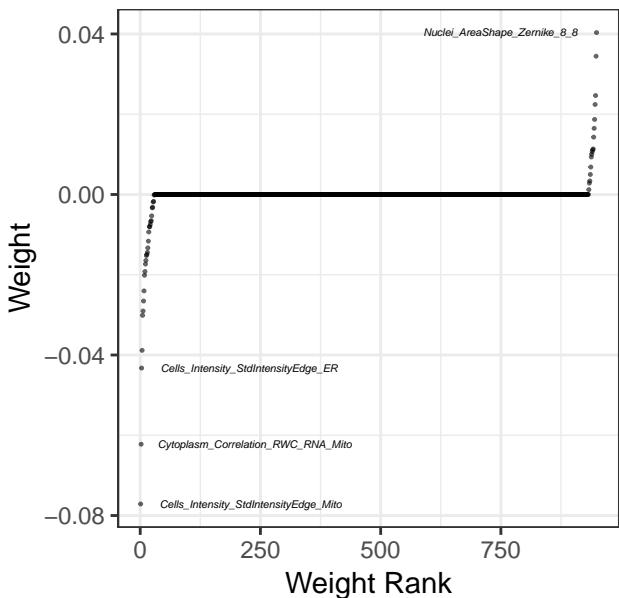


# Performance: cc\_g2\_high\_h2ax

Transform: raw

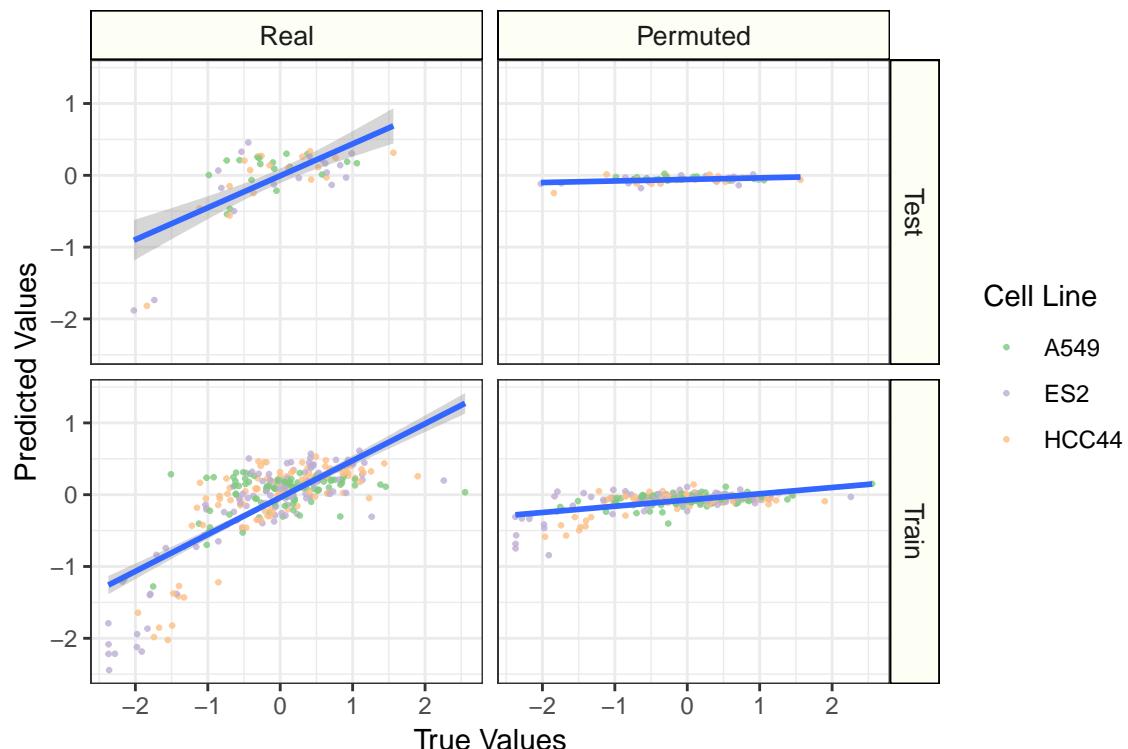


fit	shuffle	transform	r2	value
Train	Real	raw	0.41	0.46
Test	Real	raw	0.09	0.45
Train	Shuffle	raw	0.46	0.43
Test	Shuffle	raw	0.02	0.49

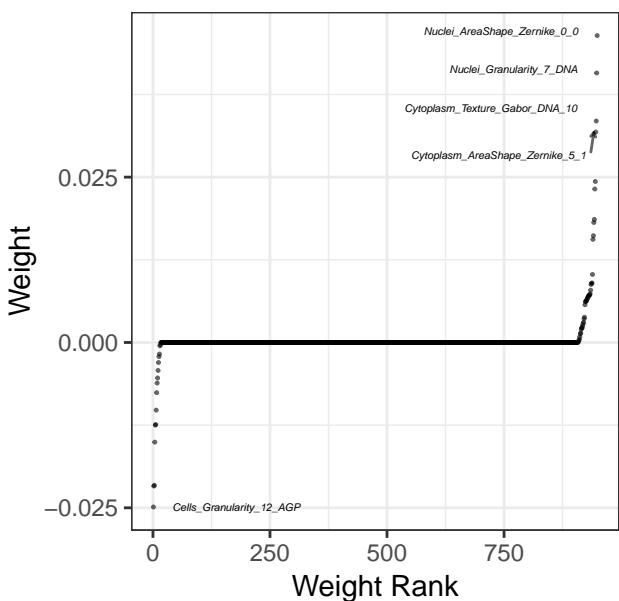


# Performance: cc\_g2\_n\_objects

Transform: raw

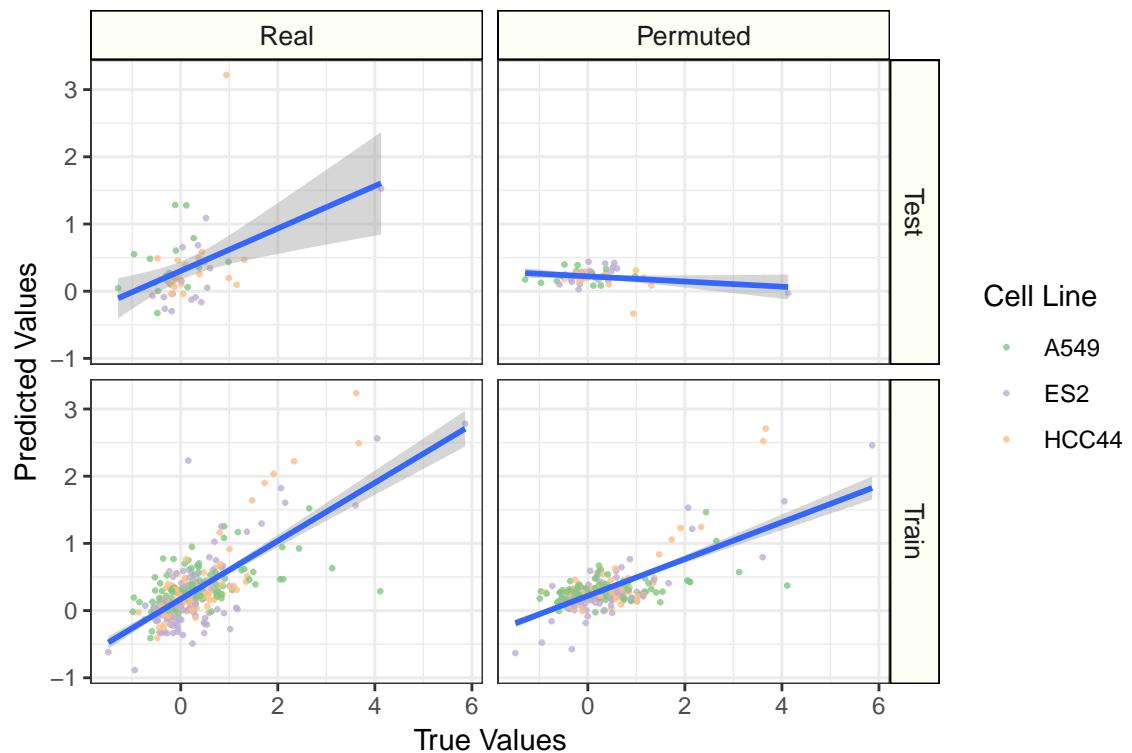


fit	shuffle	transform	r2	value
Train	Real	raw	0.55	0.29
Test	Real	raw	0.45	0.30
Train	Shuffle	raw	0.15	0.56
Test	Shuffle	raw	0.04	0.53

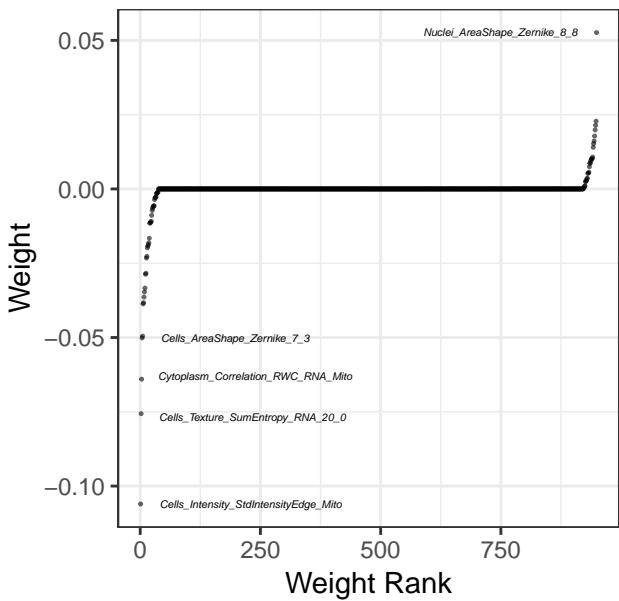


# Performance: cc\_g2\_n\_spots\_h2ax\_mean

Transform: raw

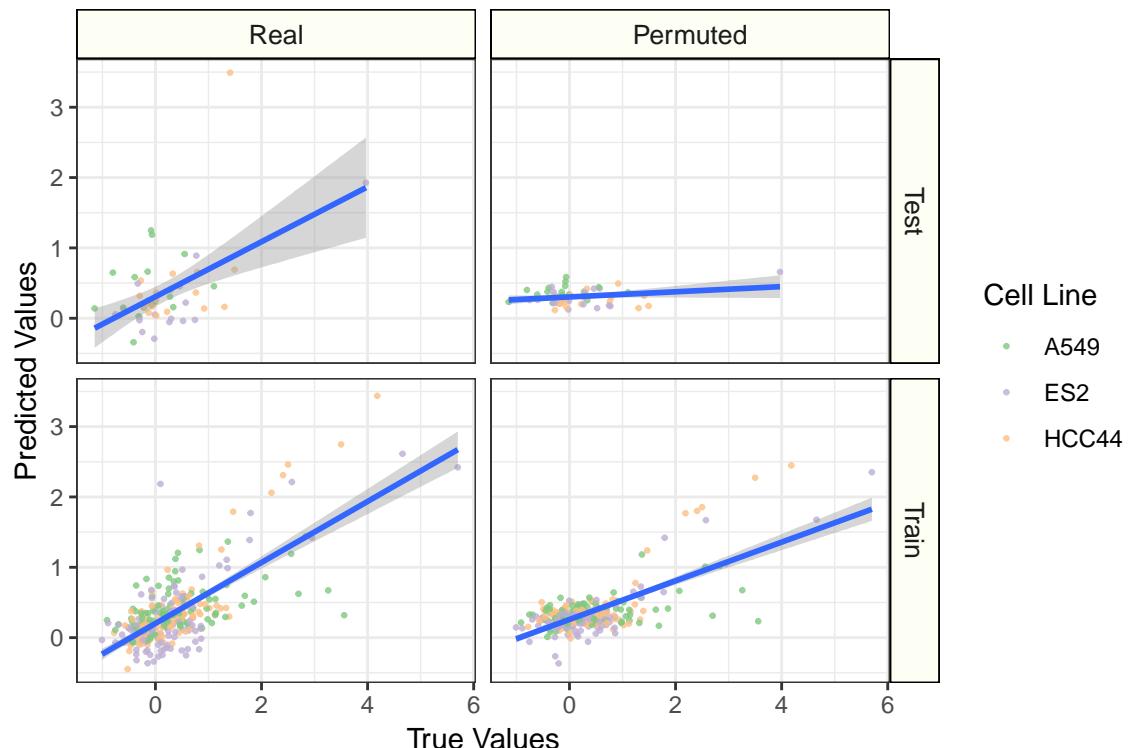


fit	shuffle	transform	r2	value
Train	Real	raw	0.50	0.36
Test	Real	raw	-0.01	0.55
Train	Shuffle	raw	0.40	0.43
Test	Shuffle	raw	-0.12	0.62

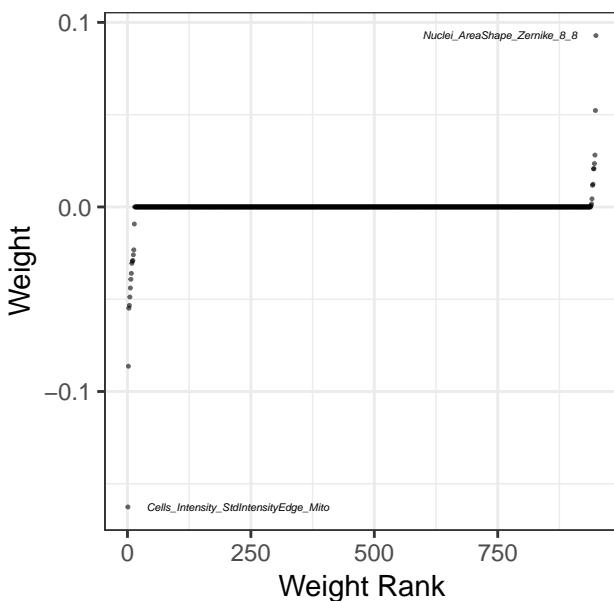


# Performance: cc\_g2\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

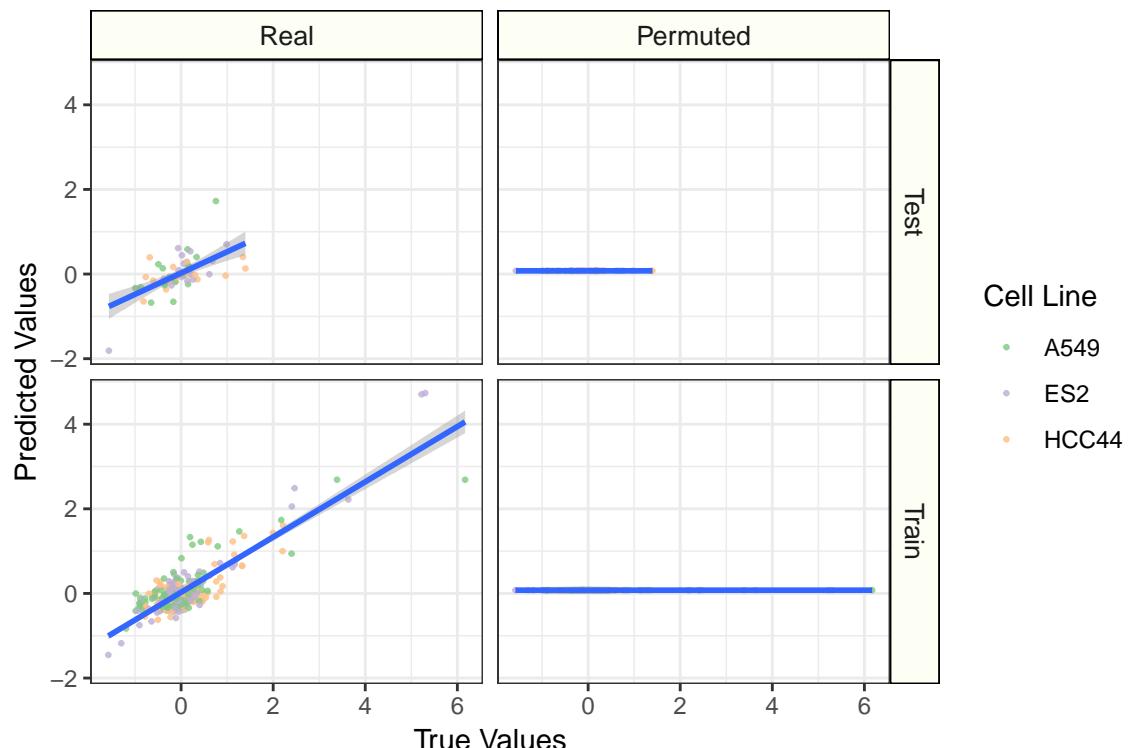


fit	shuffle	transform	r2	value
Train	Real	raw	0.50	0.36
Test	Real	raw	0.12	0.50
Train	Shuffle	raw	0.40	0.43
Test	Shuffle	raw	0.01	0.56

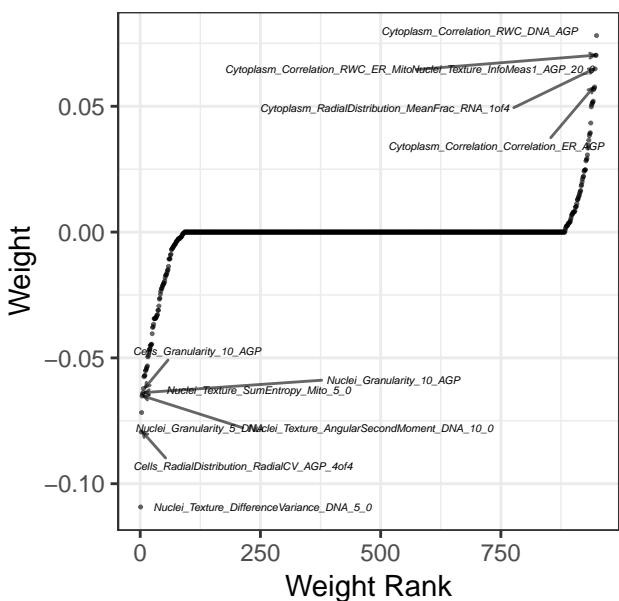


# Performance: cc\_g2\_plus\_all\_m\_count

Transform: raw

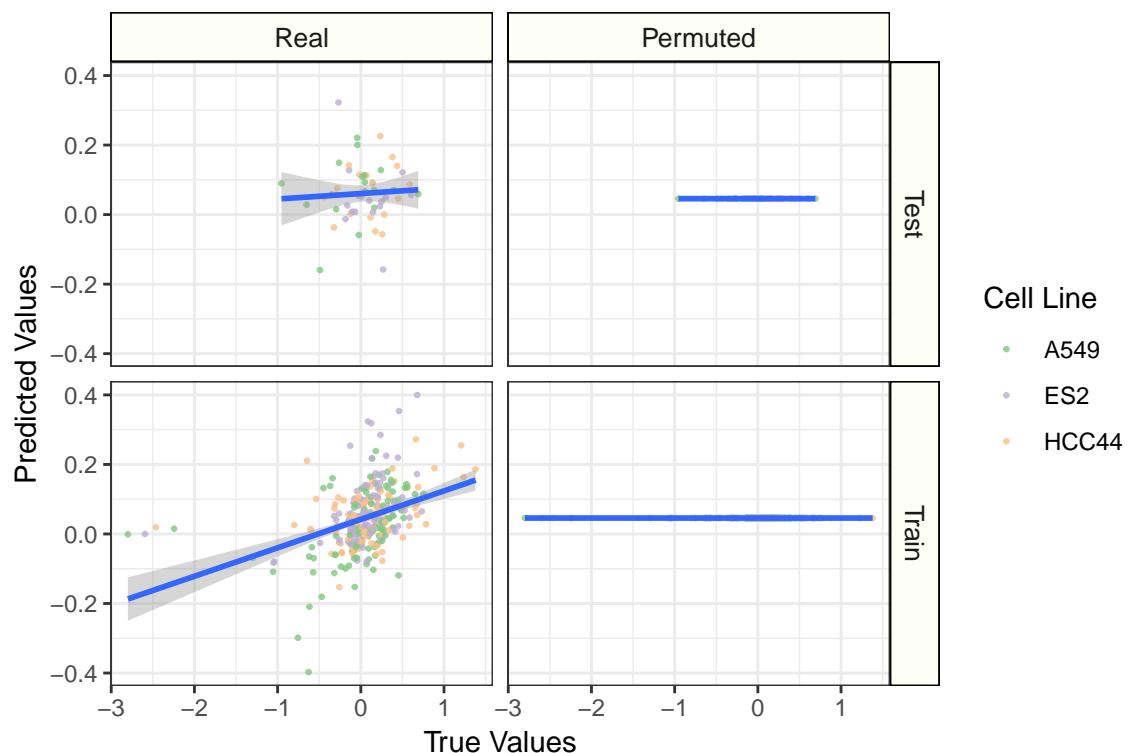


fit	shuffle	transform	r2	value
Train	Real	raw	0.73	0.19
Test	Real	raw	0.32	0.21
Train	Shuffle	raw	0.00	0.70
Test	Shuffle	raw	-0.04	0.32

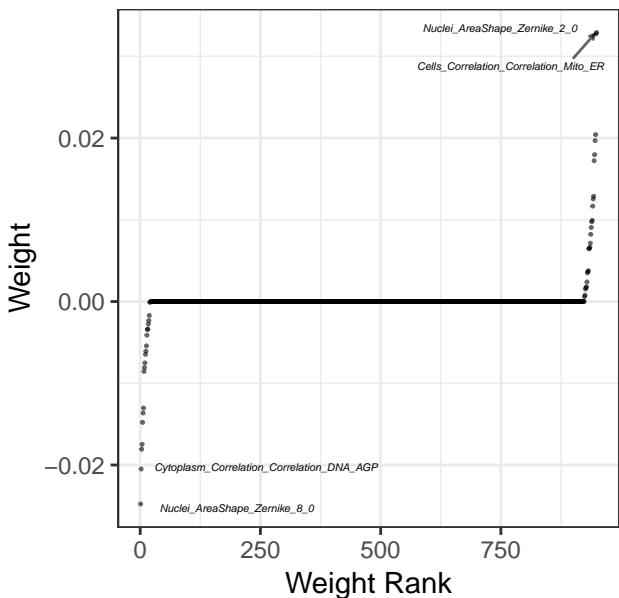


# Performance: cc\_infection\_percentage

Transform: raw

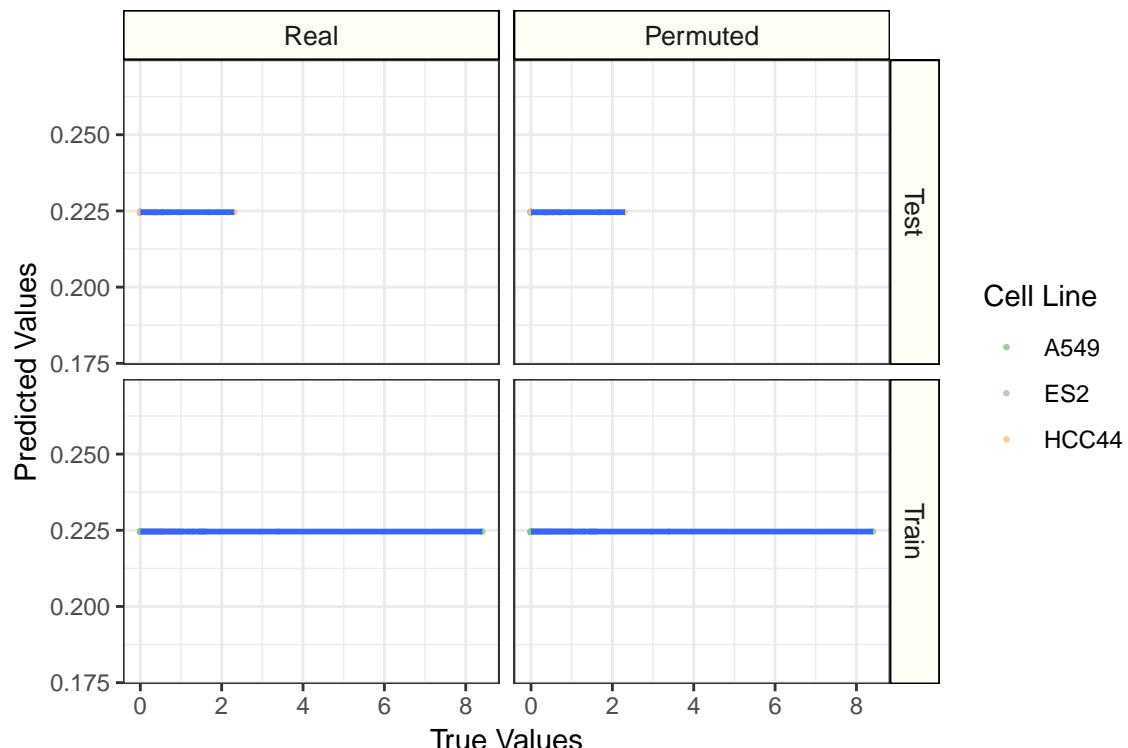


fit	shuffle	transform	r2	value
Train	Real	raw	0.12	0.18
Test	Real	raw	-0.05	0.10
Train	Shuffle	raw	0.00	0.20
Test	Shuffle	raw	0.00	0.10

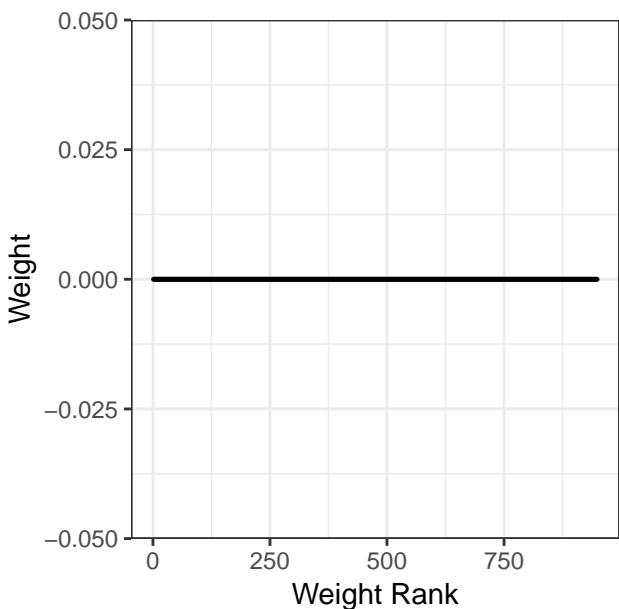


# Performance: cc\_late\_mitosis\_high\_h2ax

Transform: raw

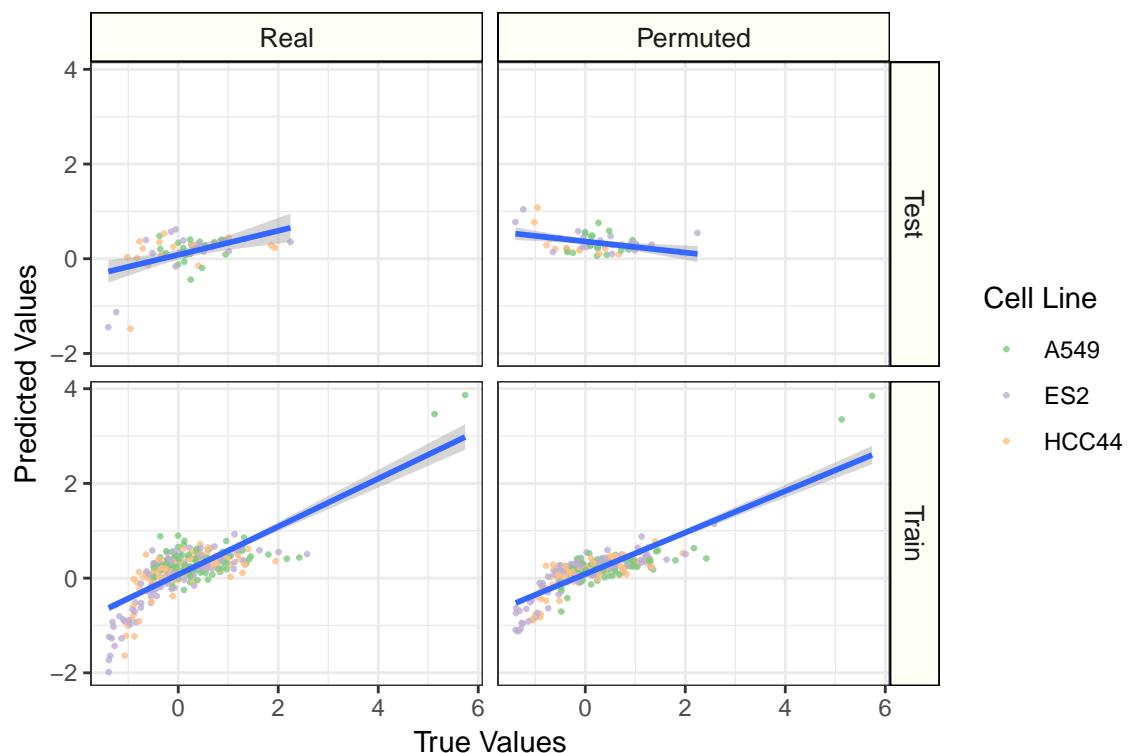


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.39
Test	Real	raw	-0.01	0.30
Train	Shuffle	raw	0.00	0.39
Test	Shuffle	raw	-0.01	0.30

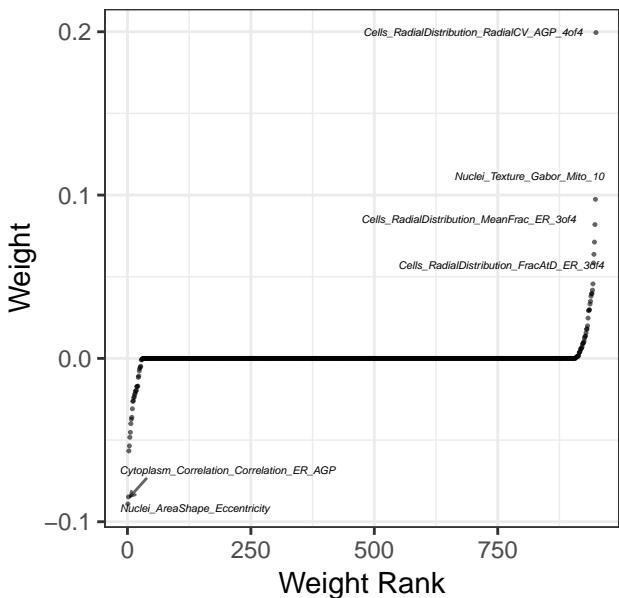


# Performance: cc\_late\_mitosis\_n\_objects

Transform: raw

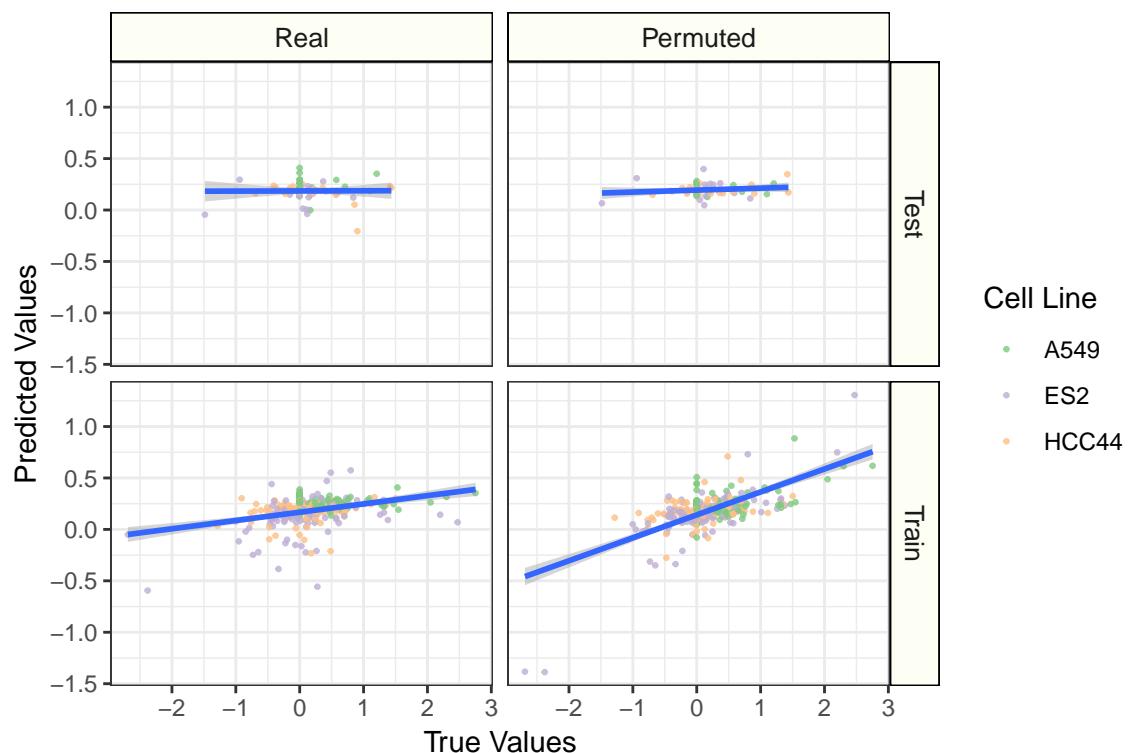


fit	shuffle	transform	r2	value
Train	Real	raw	0.58	0.29
Test	Real	raw	0.20	0.45
Train	Shuffle	raw	0.59	0.28
Test	Shuffle	raw	-0.38	0.77

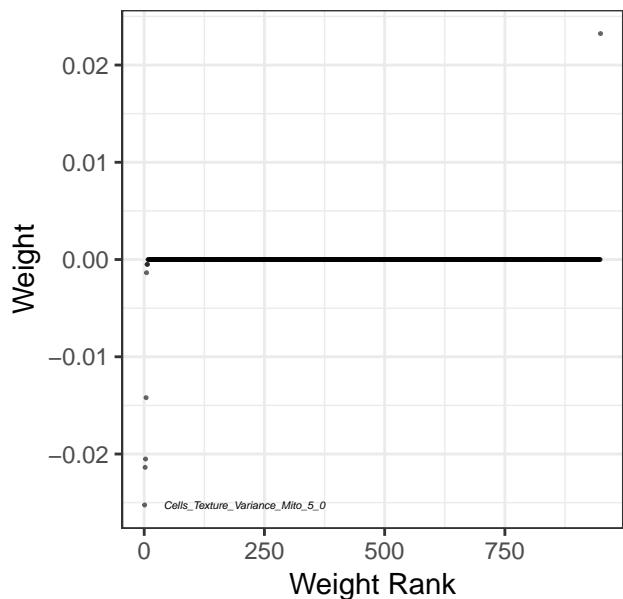


# Performance: cc\_late\_mitosis\_n\_spots\_h2ax\_mean

Transform: raw

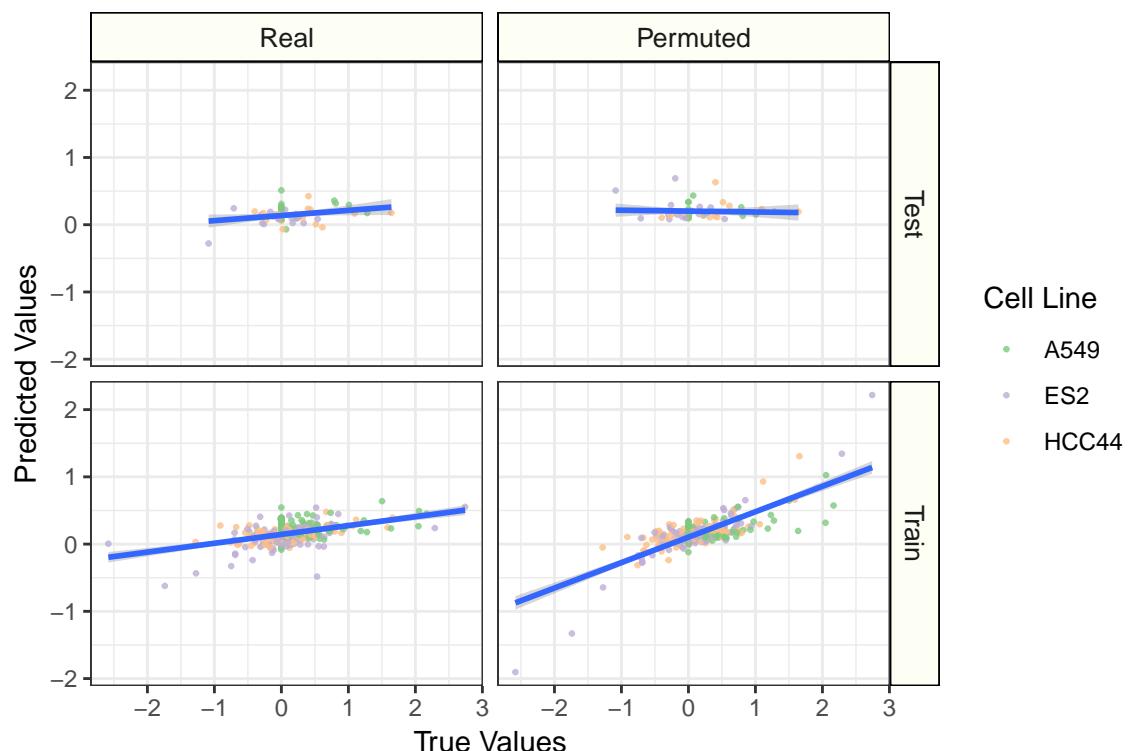


fit	shuffle	transform	r2	value
Train	Real	raw	0.11	0.31
Test	Real	raw	-0.04	0.27
Train	Shuffle	raw	0.33	0.23
Test	Shuffle	raw	0.02	0.25

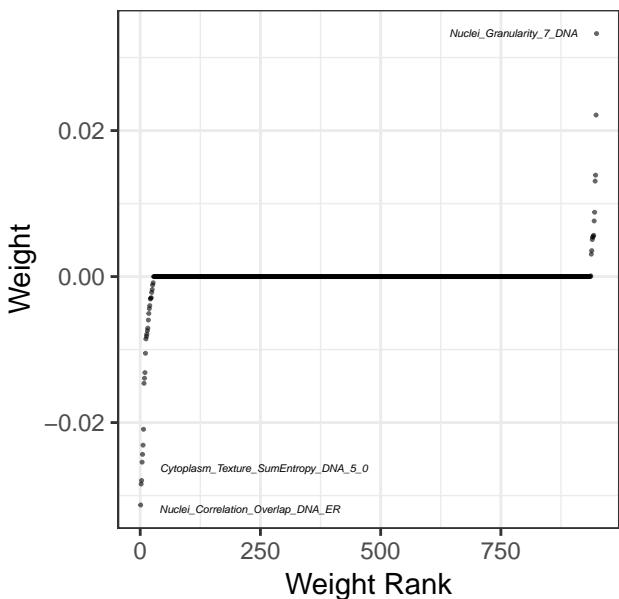


# Performance: cc\_late\_mitosis\_n\_spots\_h2ax\_per\_nucleus\_area

## Transform: raw

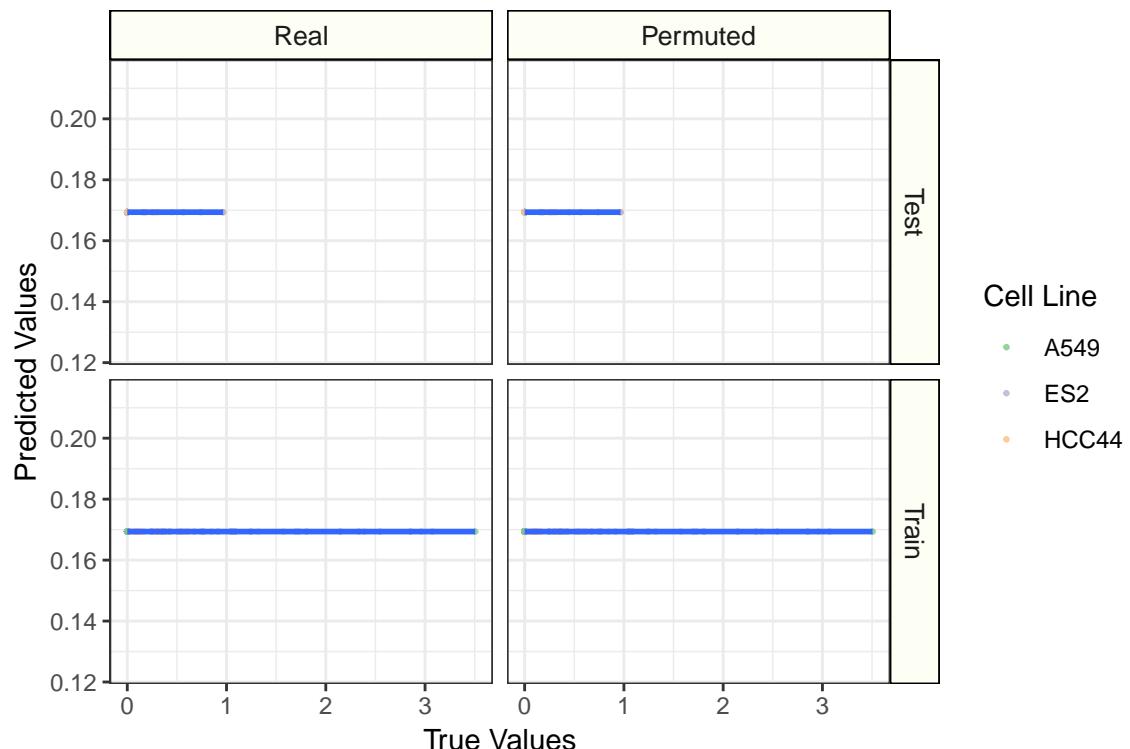


fit	shuffle	transform	r2	value
Train	Real	raw	0.18	0.23
Test	Real	raw	0.07	0.19
Train	Shuffle	raw	0.51	0.14
Test	Shuffle	raw	-0.12	0.23

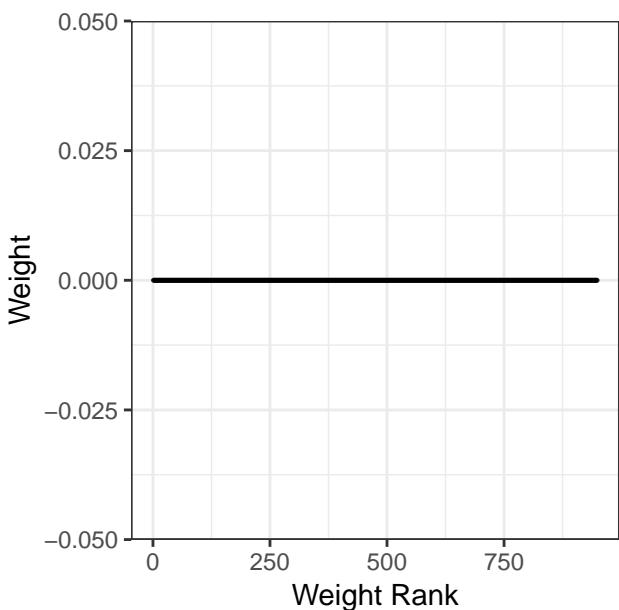


# Performance: cc\_mitosis\_high\_h2ax

Transform: raw

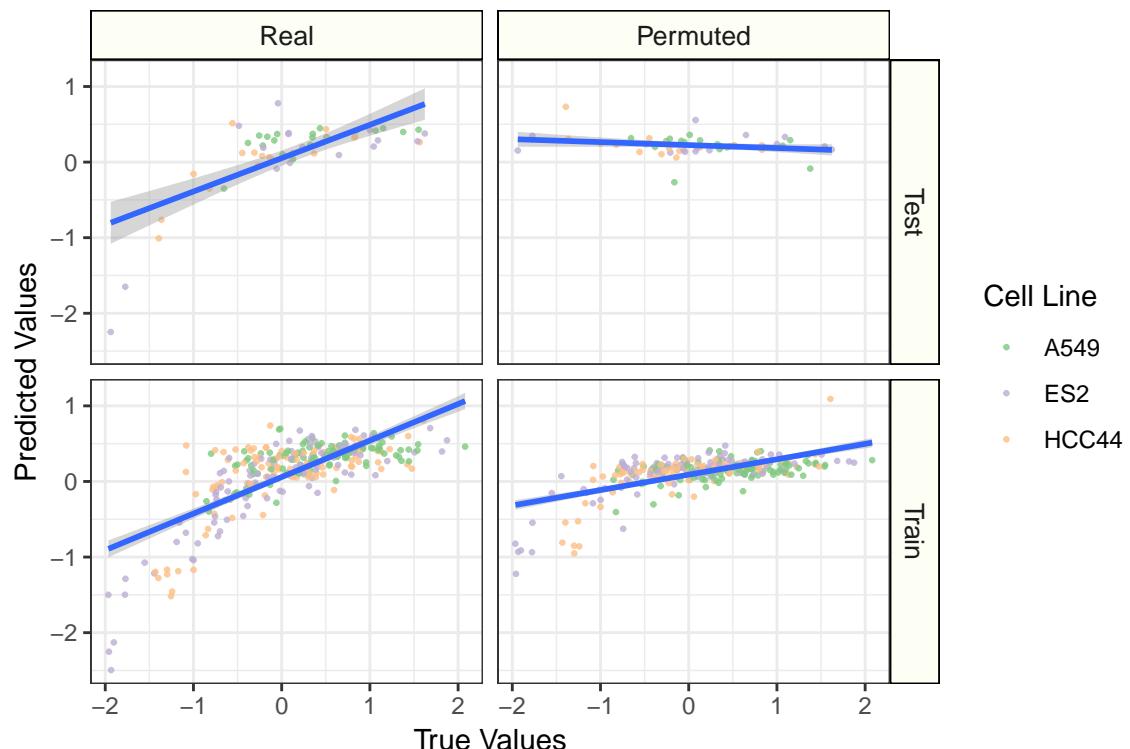


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.27
Test	Real	raw	-0.12	0.06
Train	Shuffle	raw	0.00	0.27
Test	Shuffle	raw	-0.12	0.06

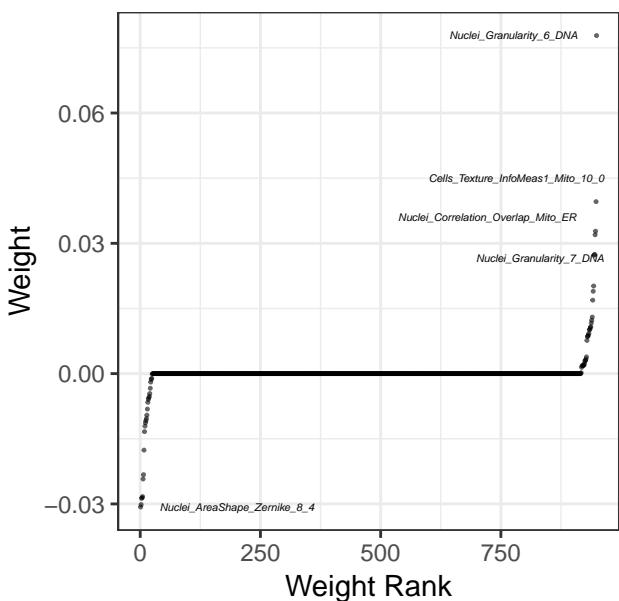


# Performance: cc\_mitosis\_n\_objects

Transform: raw

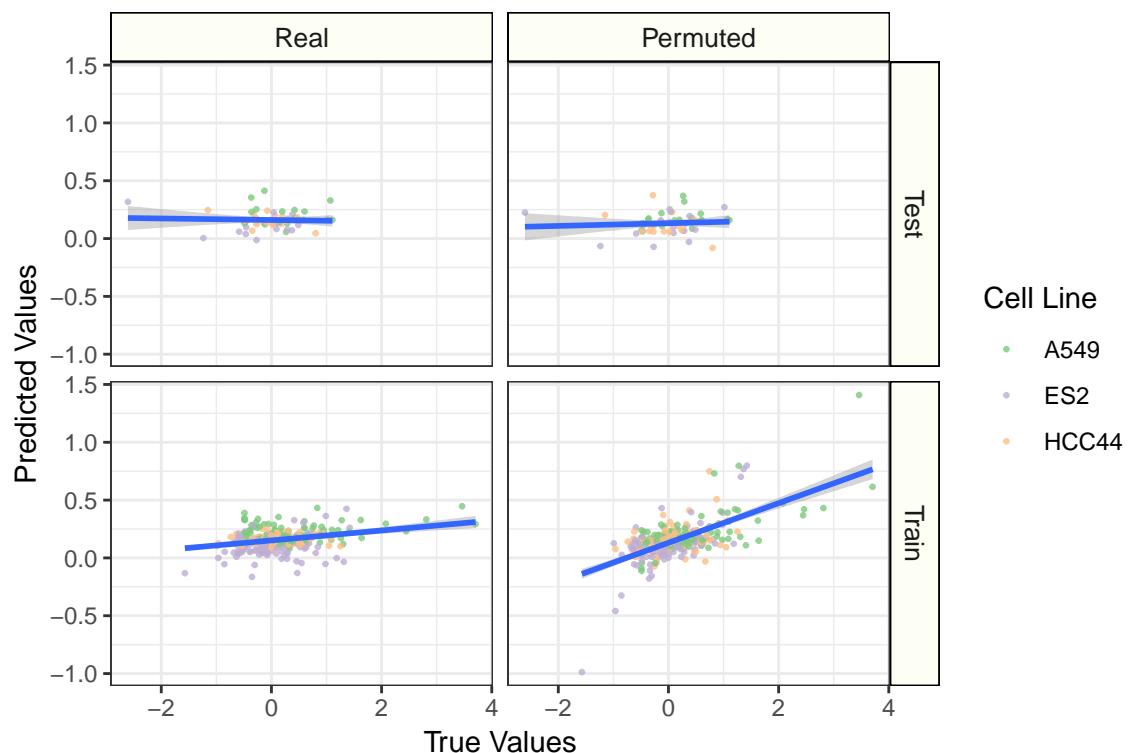


fit	shuffle	transform	r2	value
Train	Real	raw	0.53	0.26
Test	Real	raw	0.49	0.33
Train	Shuffle	raw	0.30	0.39
Test	Shuffle	raw	-0.11	0.72

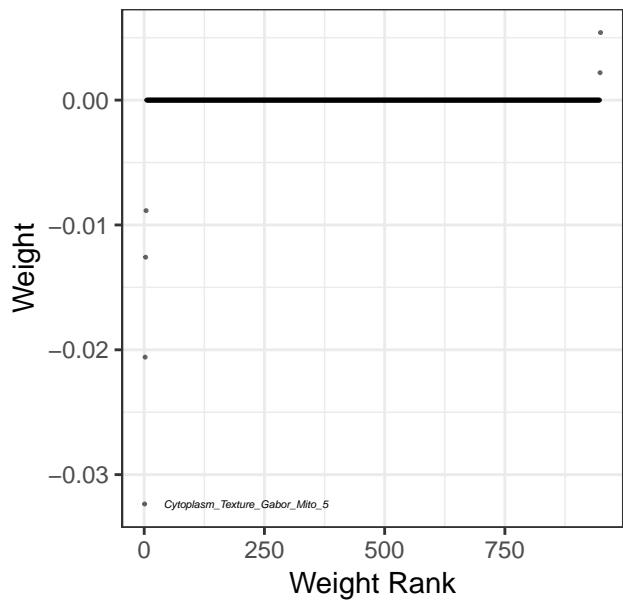


# Performance: cc\_mitosis\_n\_spots\_h2ax\_mean

Transform: raw

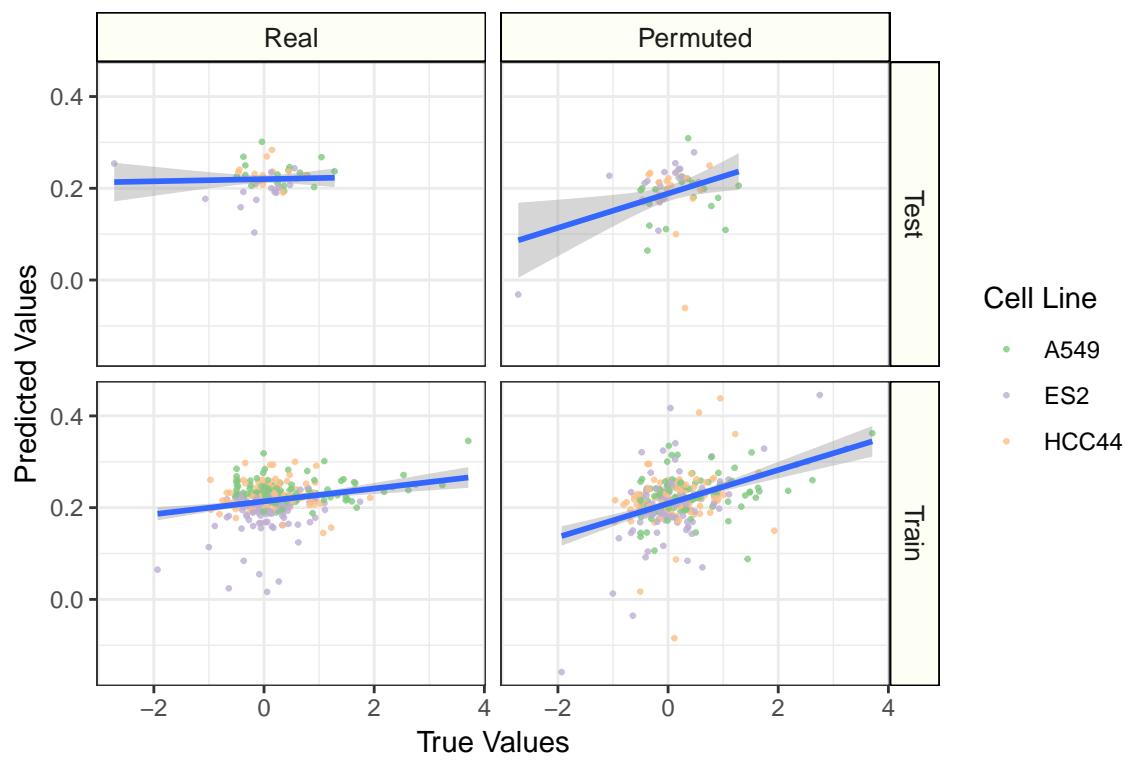


fit	shuffle	transform	r2	value
Train	Real	raw	0.07	0.39
Test	Real	raw	-0.12	0.38
Train	Shuffle	raw	0.27	0.30
Test	Shuffle	raw	-0.07	0.37

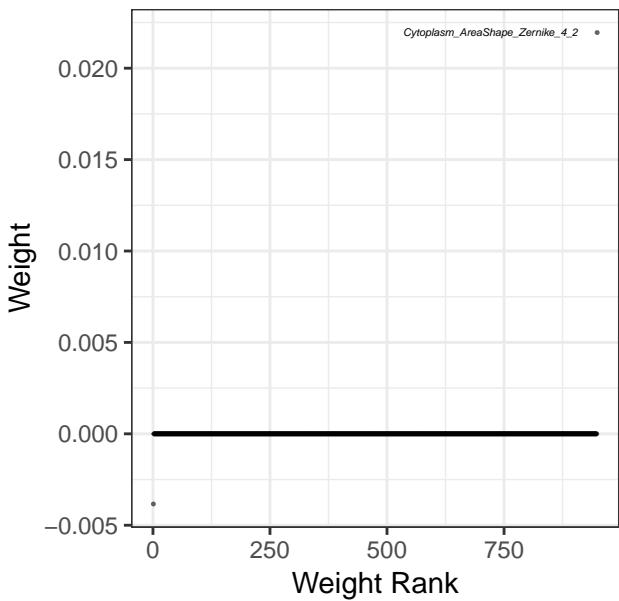


# Performance: cc\_mitosis\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

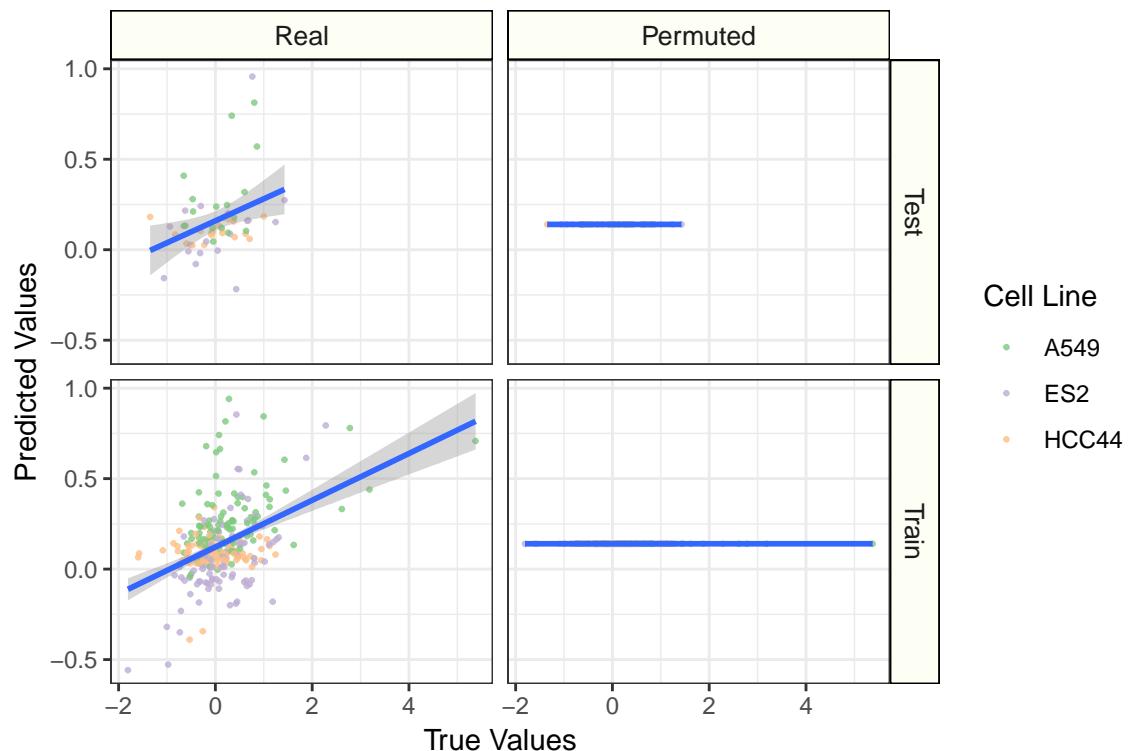


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.44
Test	Real	raw	-0.10	0.37
Train	Shuffle	raw	0.06	0.42
Test	Shuffle	raw	-0.01	0.34

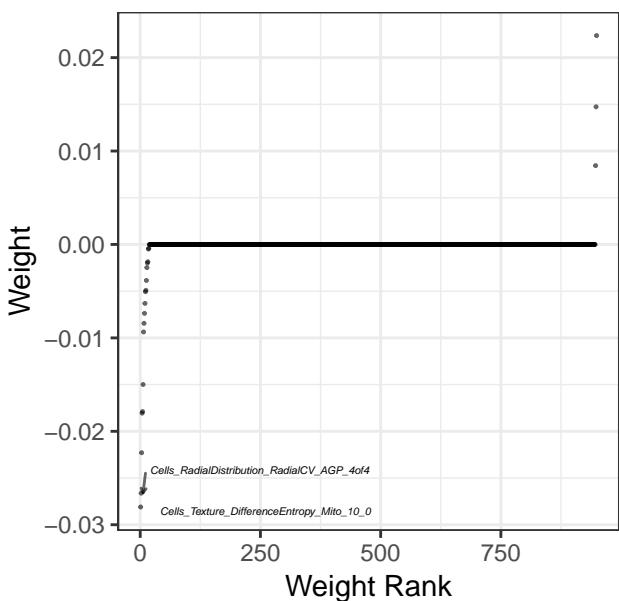


# Performance: cc\_polynuclear\_high\_h2ax

Transform: raw

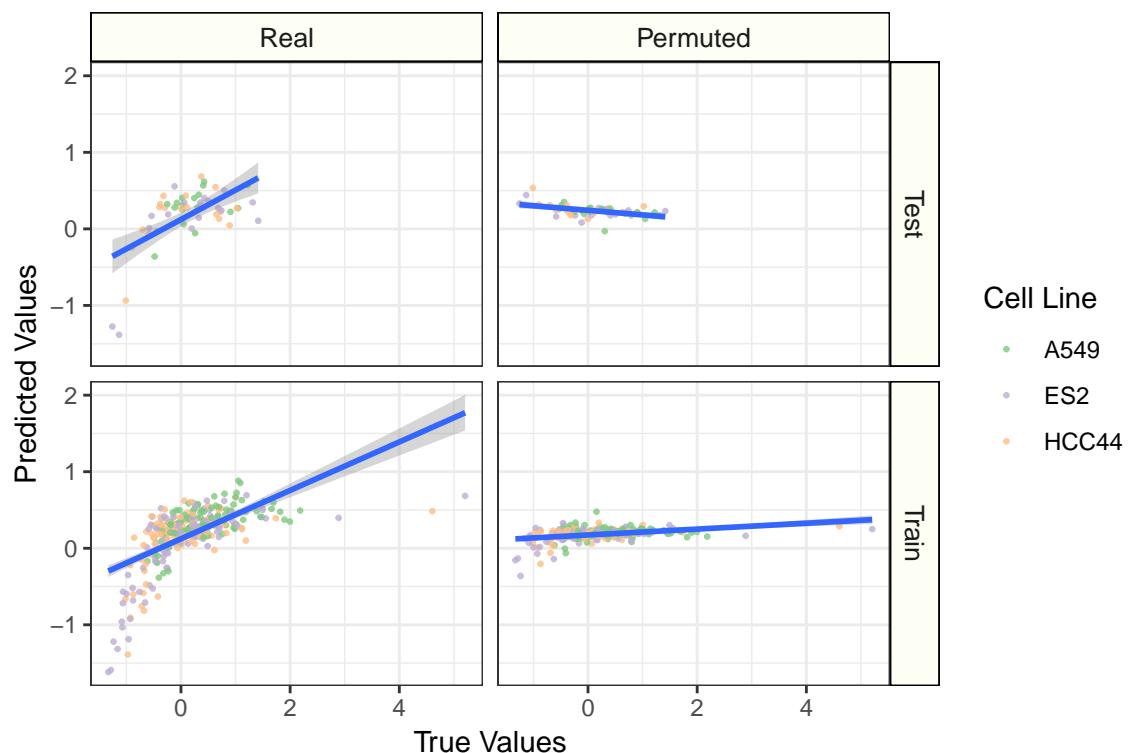


fit	shuffle	transform	r2	value
Train	Real	raw	0.17	0.39
Test	Real	raw	0.08	0.32
Train	Shuffle	raw	0.00	0.47
Test	Shuffle	raw	-0.03	0.35

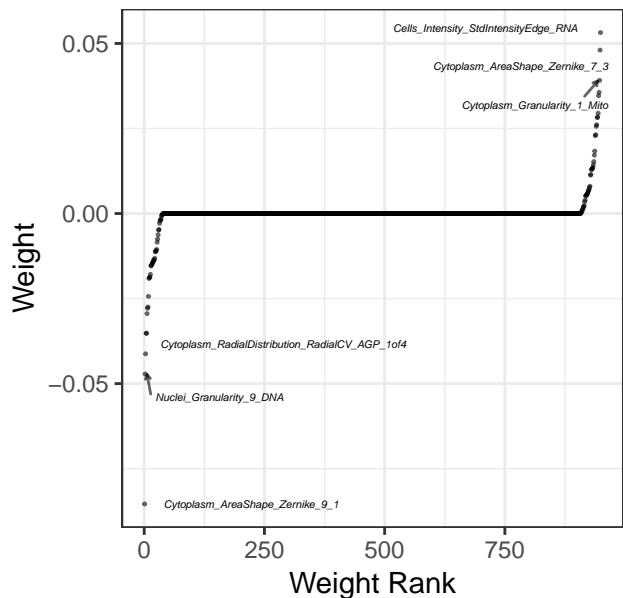


# Performance: cc\_polynuclear\_n\_objects

Transform: raw

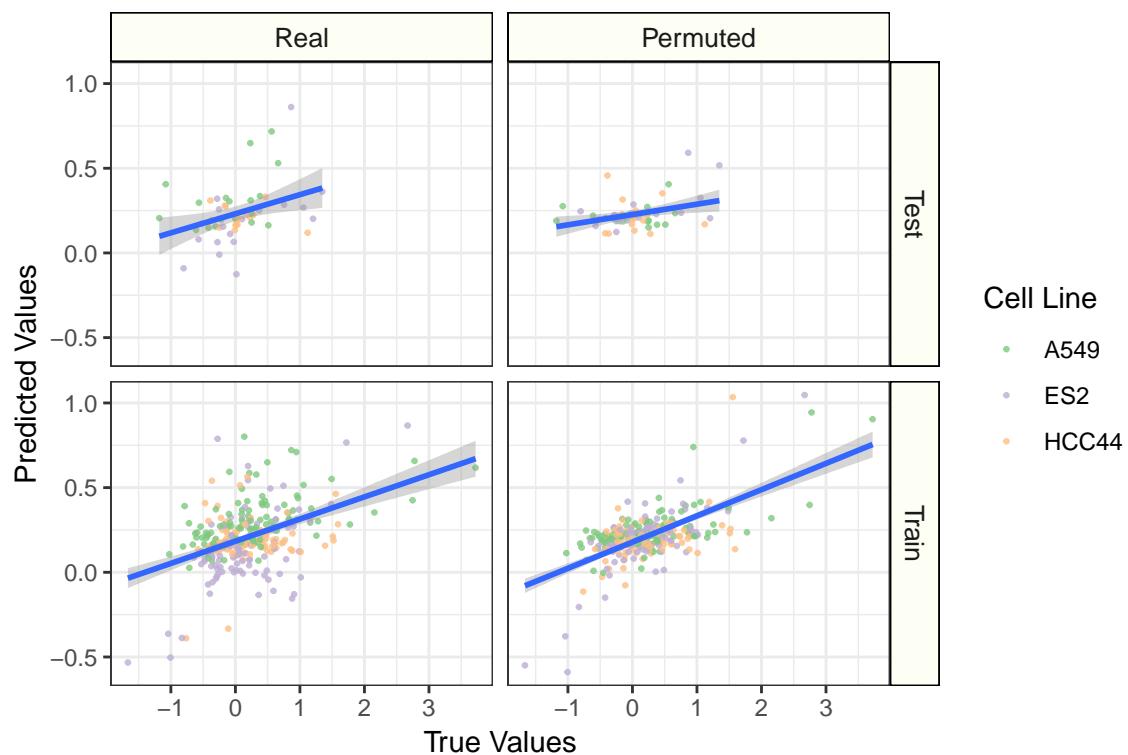


fit	shuffle	transform	r2	value
Train	Real	raw	0.37	0.36
Test	Real	raw	0.35	0.24
Train	Shuffle	raw	0.07	0.54
Test	Shuffle	raw	-0.16	0.43

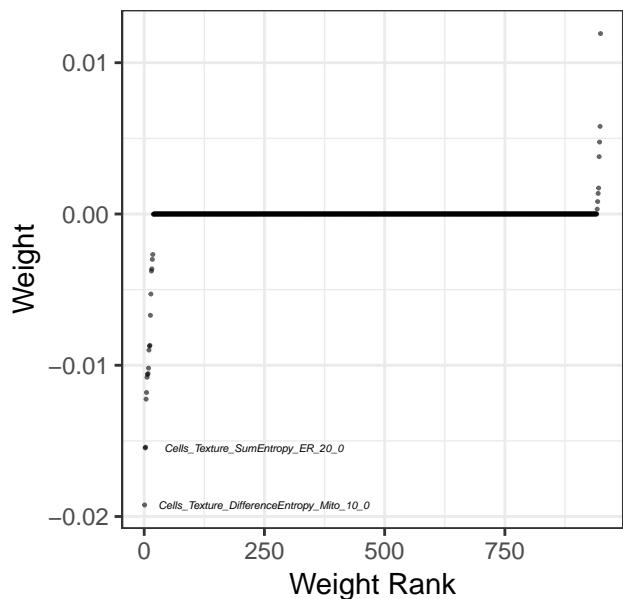


# Performance: cc\_polynuclear\_n\_spots\_h2ax\_mean

## Transform: raw

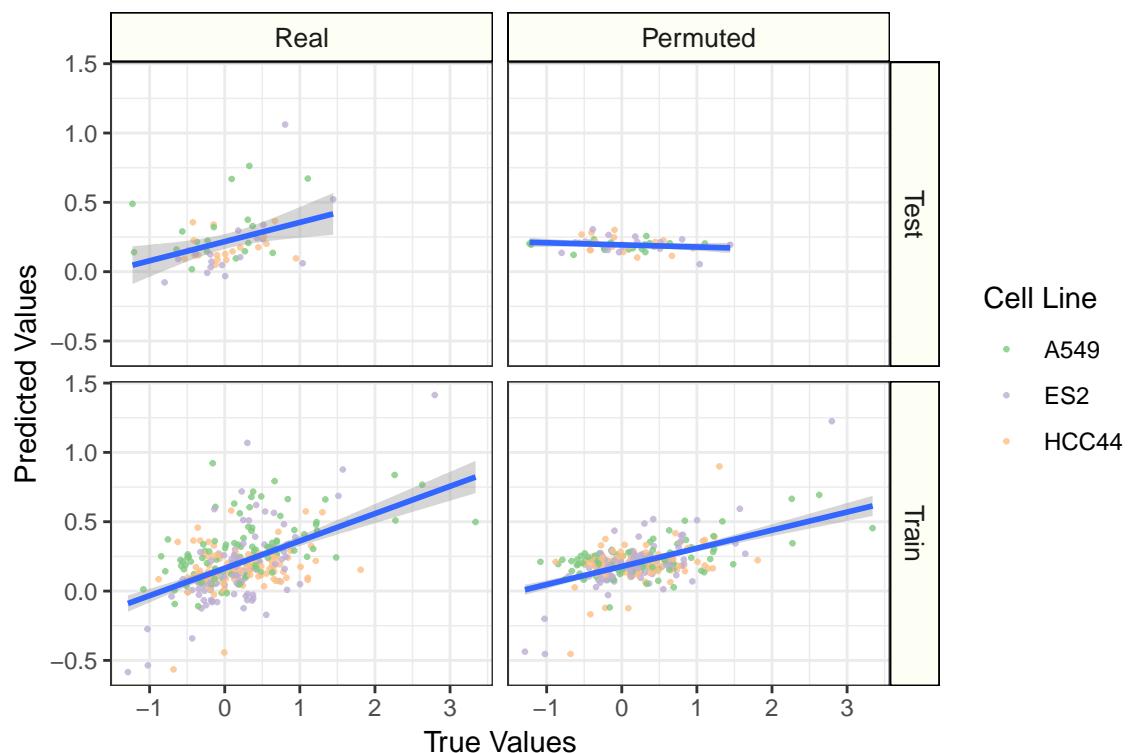


fit	shuffle	transform	r2	value
Train	Real	raw	0.18	0.32
Test	Real	raw	-0.03	0.28
Train	Shuffle	raw	0.25	0.29
Test	Shuffle	raw	-0.06	0.28

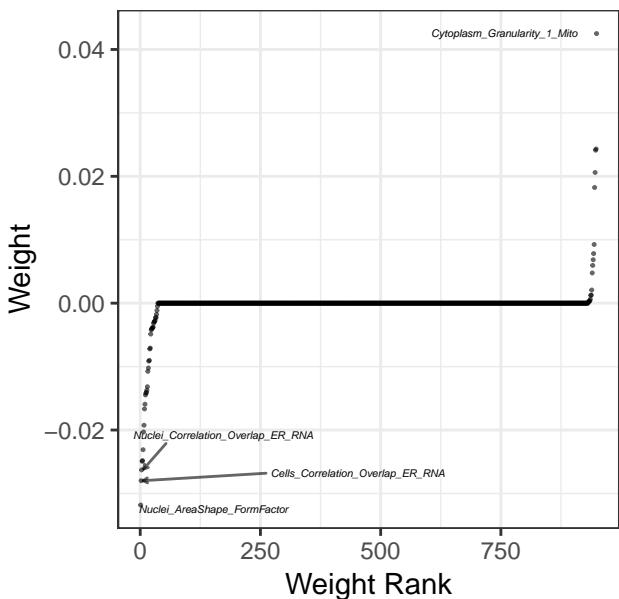


# Performance: cc\_polynuclear\_n\_spots\_h2ax\_per\_nucleus\_area

## Transform: raw

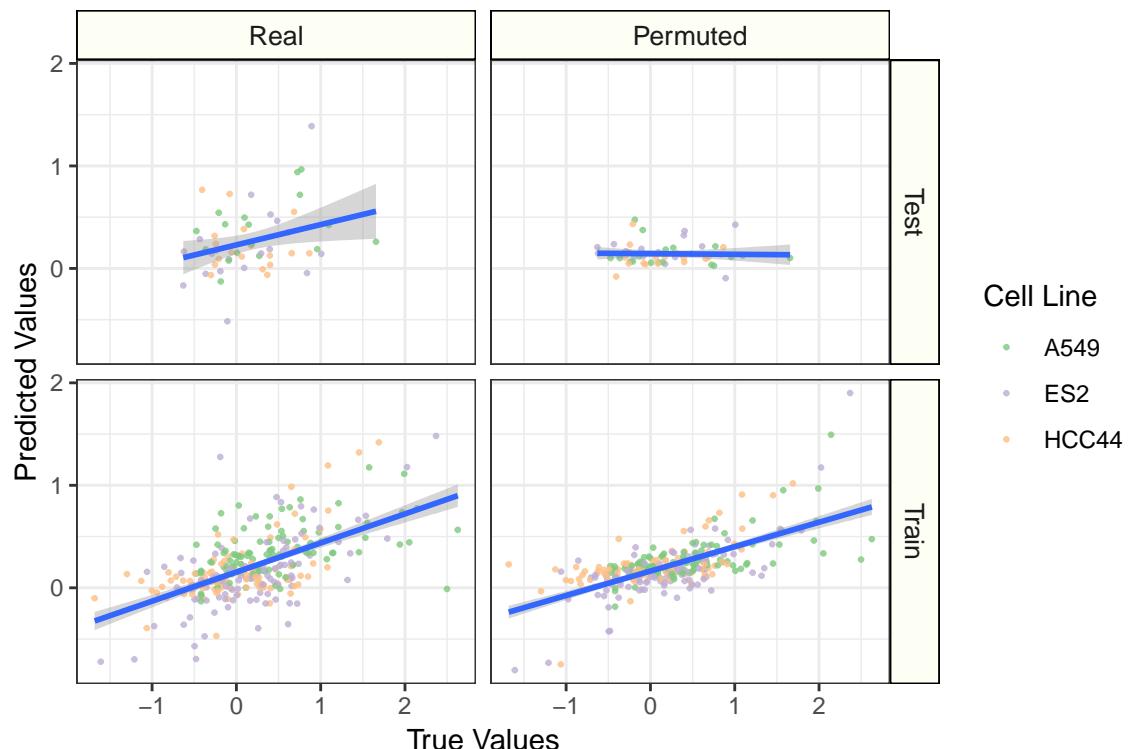


fit	shuffle	transform	r2	value
Train	Real	raw	0.25	0.27
Test	Real	raw	0.00	0.29
Train	Shuffle	raw	0.20	0.29
Test	Shuffle	raw	-0.13	0.33

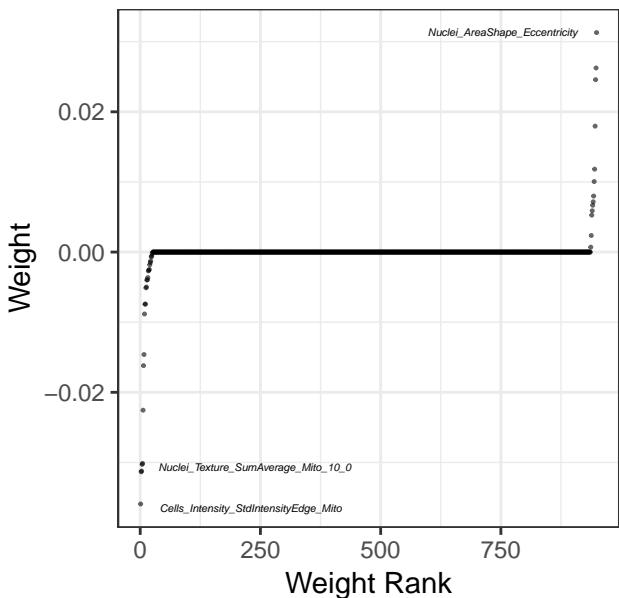


# Performance: cc\_polyplloid\_high\_h2ax

Transform: raw

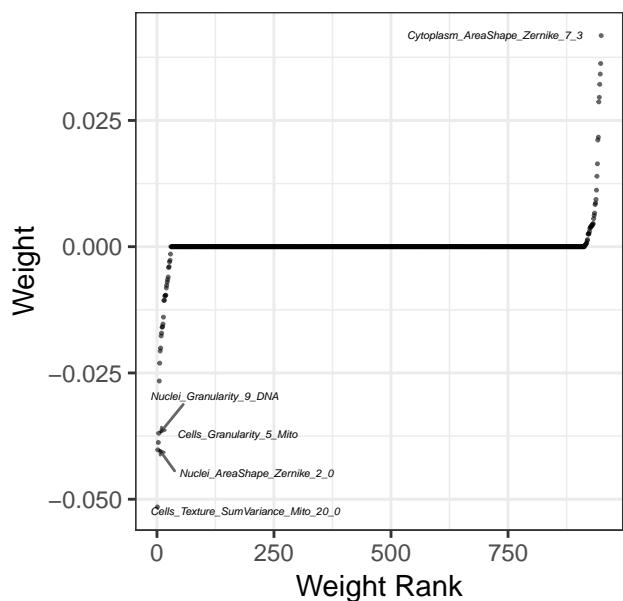
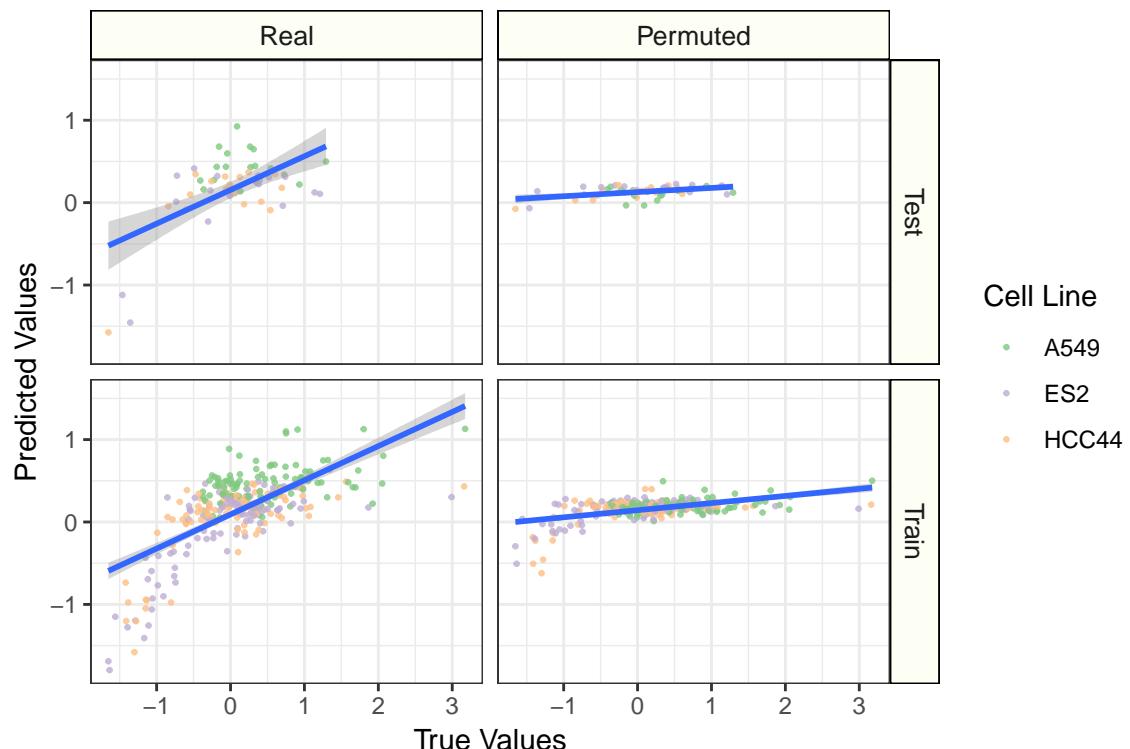


fit	shuffle	transform	r2	value
Train	Real	raw	0.34	0.30
Test	Real	raw	-0.06	0.26
Train	Shuffle	raw	0.34	0.30
Test	Shuffle	raw	-0.07	0.26



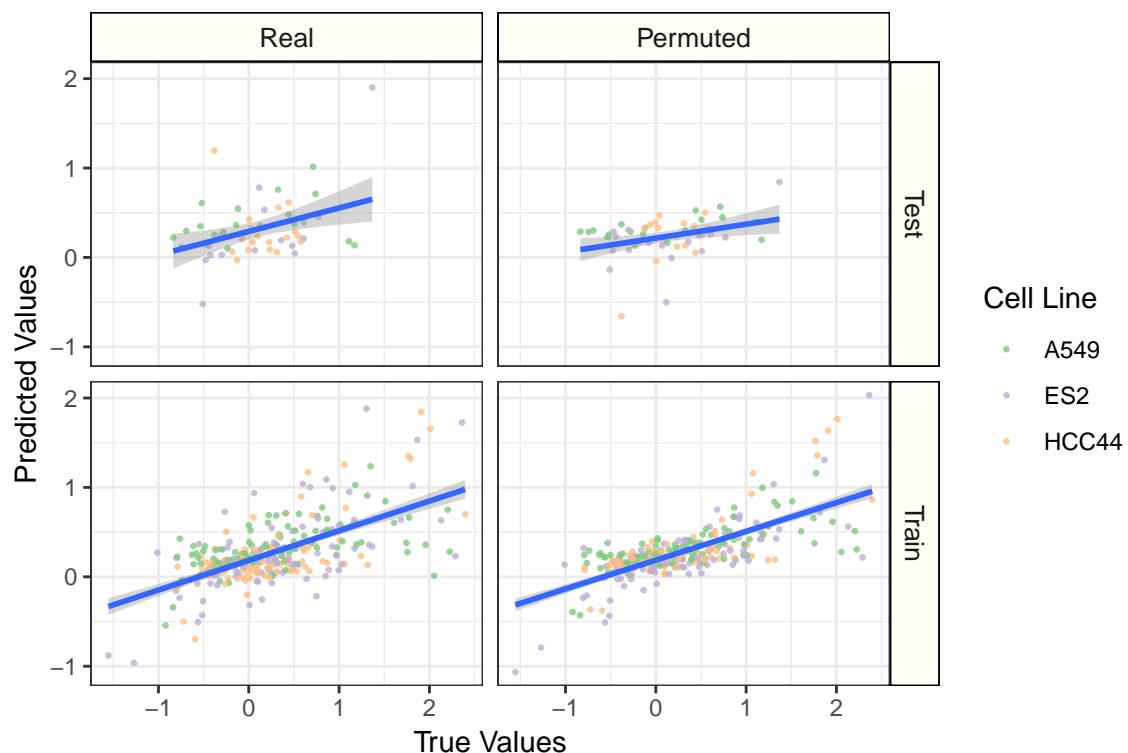
# Performance: cc\_polyplloid\_n\_objects

Transform: raw

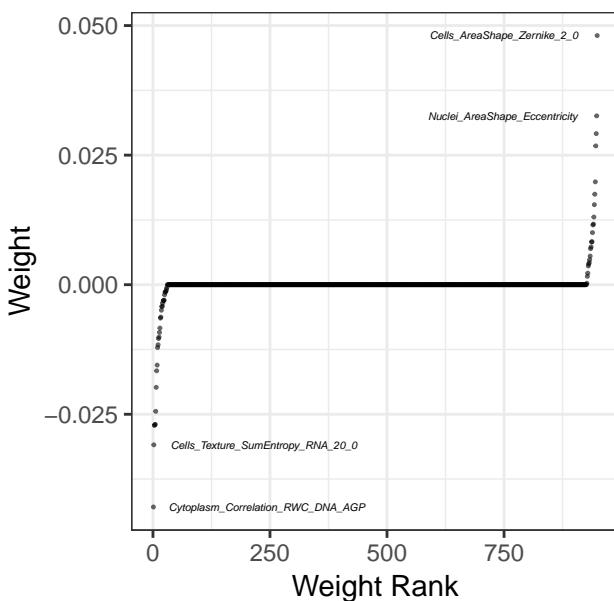


# Performance: cc\_polyplloid\_n\_spots\_h2ax\_mean

Transform: raw

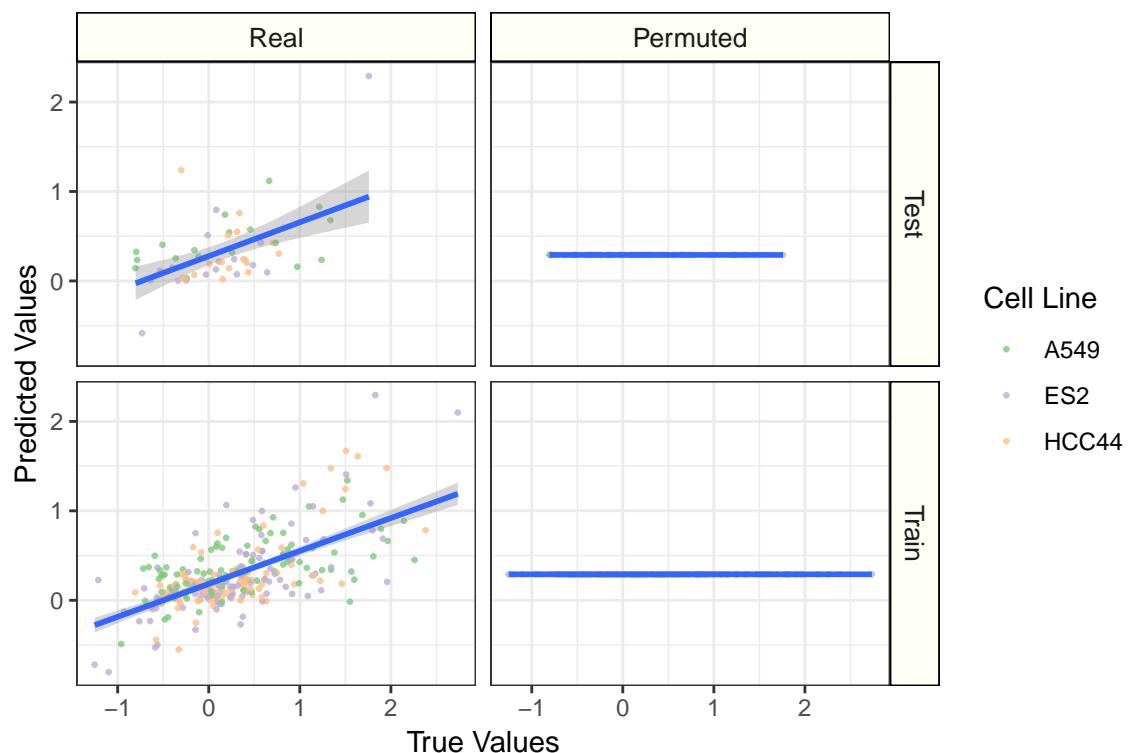


fit	shuffle	transform	r2	value
Train	Real	raw	0.38	0.29
Test	Real	raw	-0.16	0.28
Train	Shuffle	raw	0.44	0.26
Test	Shuffle	raw	0.03	0.24

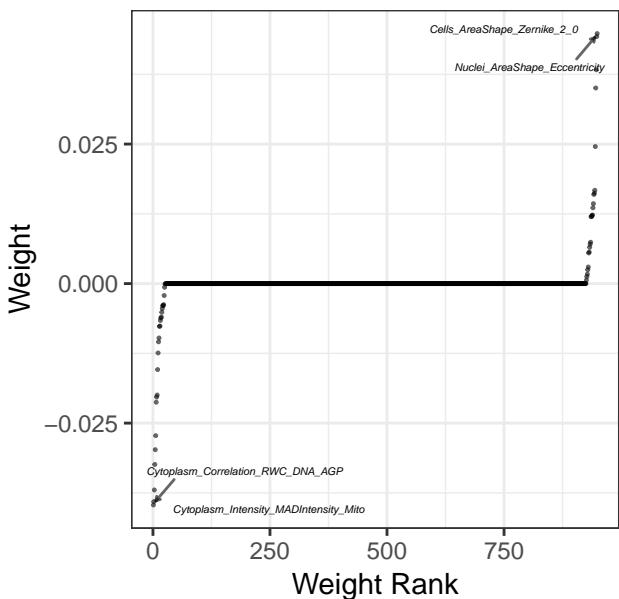


# Performance: cc\_polyplloid\_n\_spots\_h2ax\_per\_nucleus\_area\_m

Transform: raw

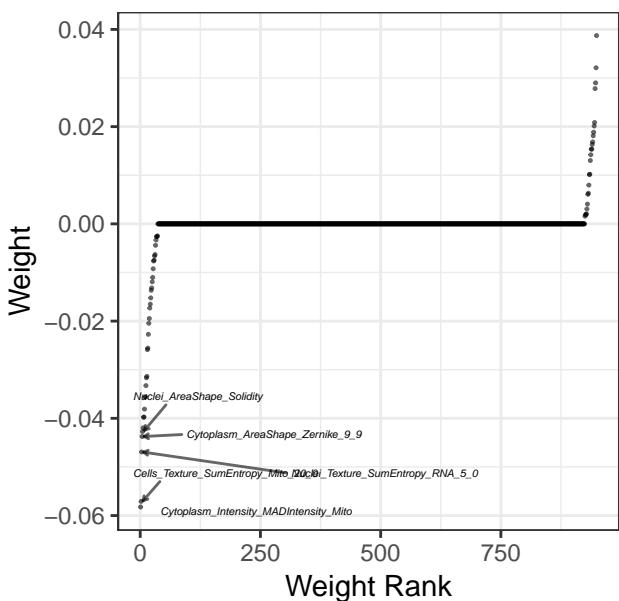
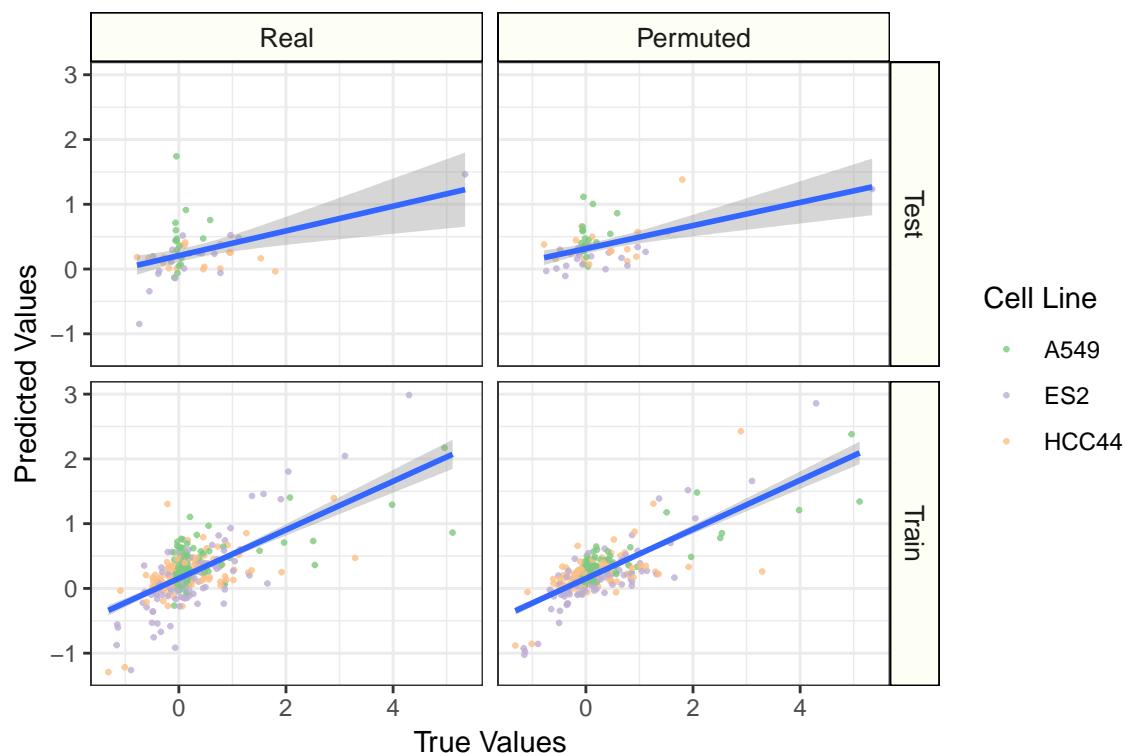


fit	shuffle	transform	r2	value
Train	Real	raw	0.41	0.27
Test	Real	raw	0.12	0.27
Train	Shuffle	raw	0.00	0.46
Test	Shuffle	raw	-0.07	0.33



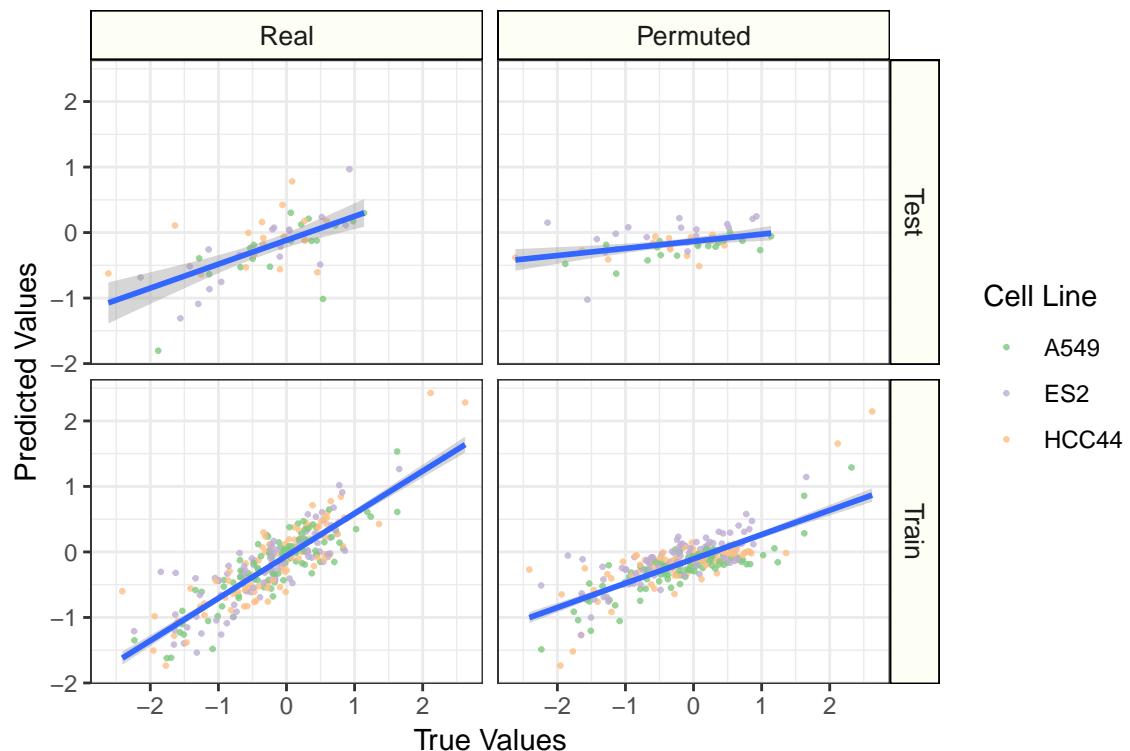
# Performance: cc\_s\_high\_h2ax

Transform: raw

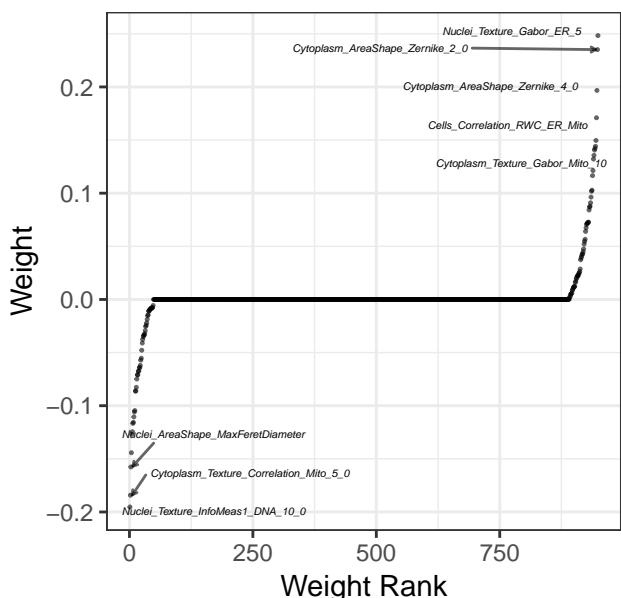


# Performance: cc\_s\_intensity\_nucleus\_area\_mean

Transform: raw

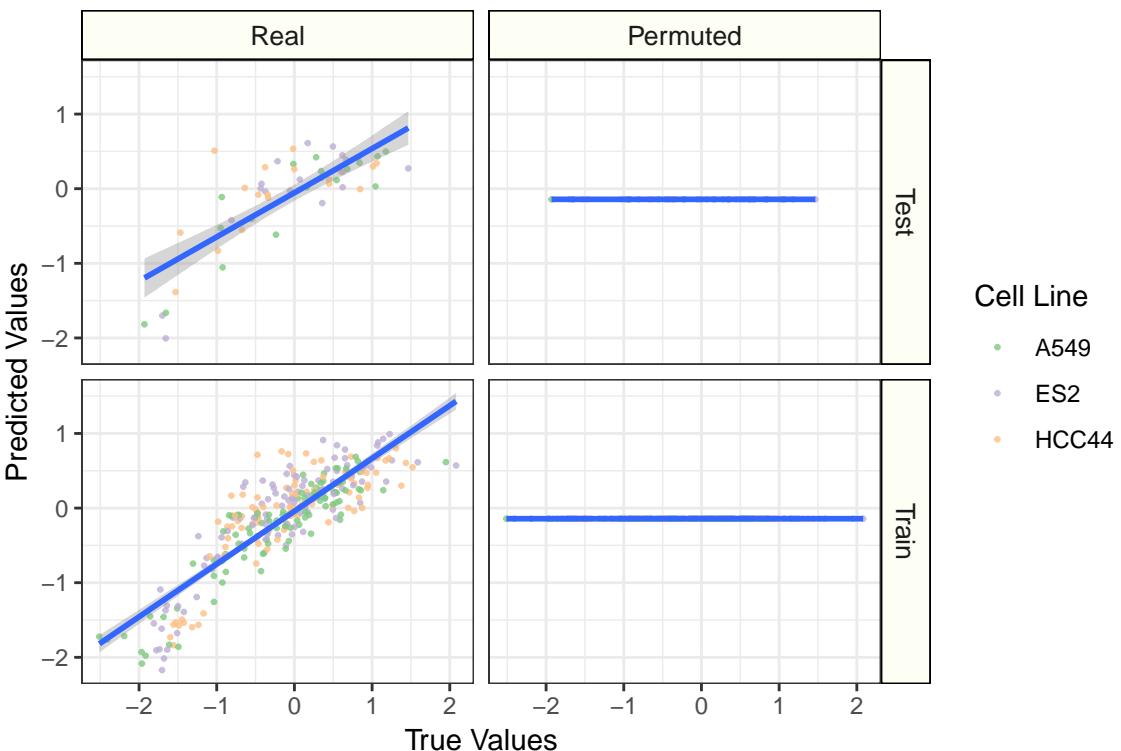


fit	shuffle	transform	r2	value
Train	Real	raw	0.73	0.15
Test	Real	raw	0.38	0.42
Train	Shuffle	raw	0.51	0.28
Test	Shuffle	raw	0.12	0.59

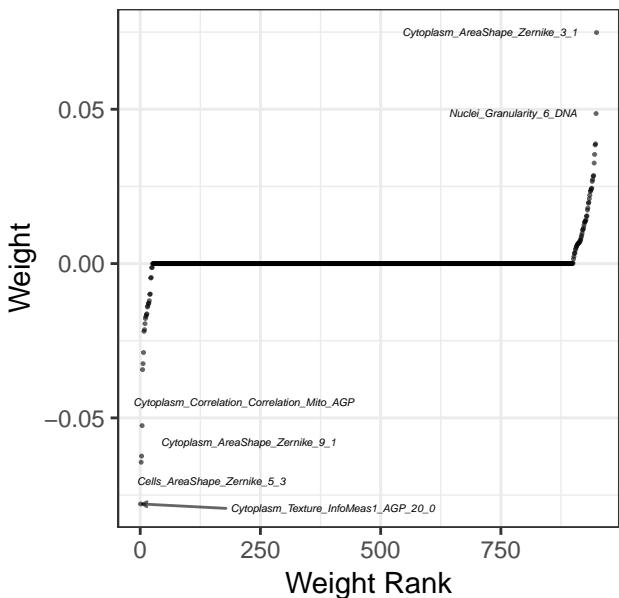


# Performance: cc\_s\_intensity\_nucleus\_area\_sum

Transform: raw

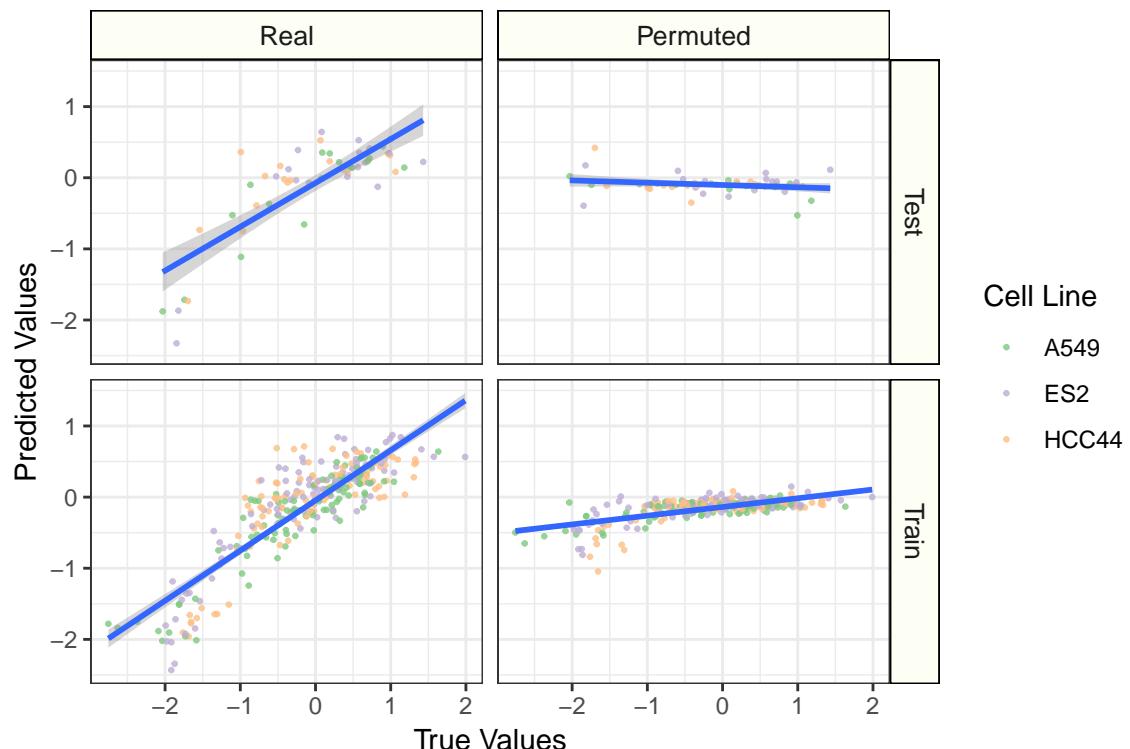


fit	shuffle	transform	r2	value
Train	Real	raw	0.75	0.17
Test	Real	raw	0.62	0.27
Train	Shuffle	raw	0.00	0.68
Test	Shuffle	raw	-0.01	0.71

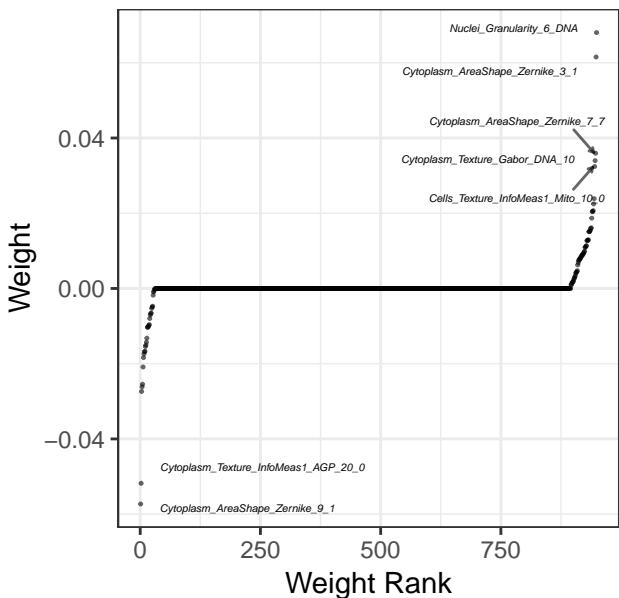


# Performance: cc\_s\_n\_objects

Transform: raw

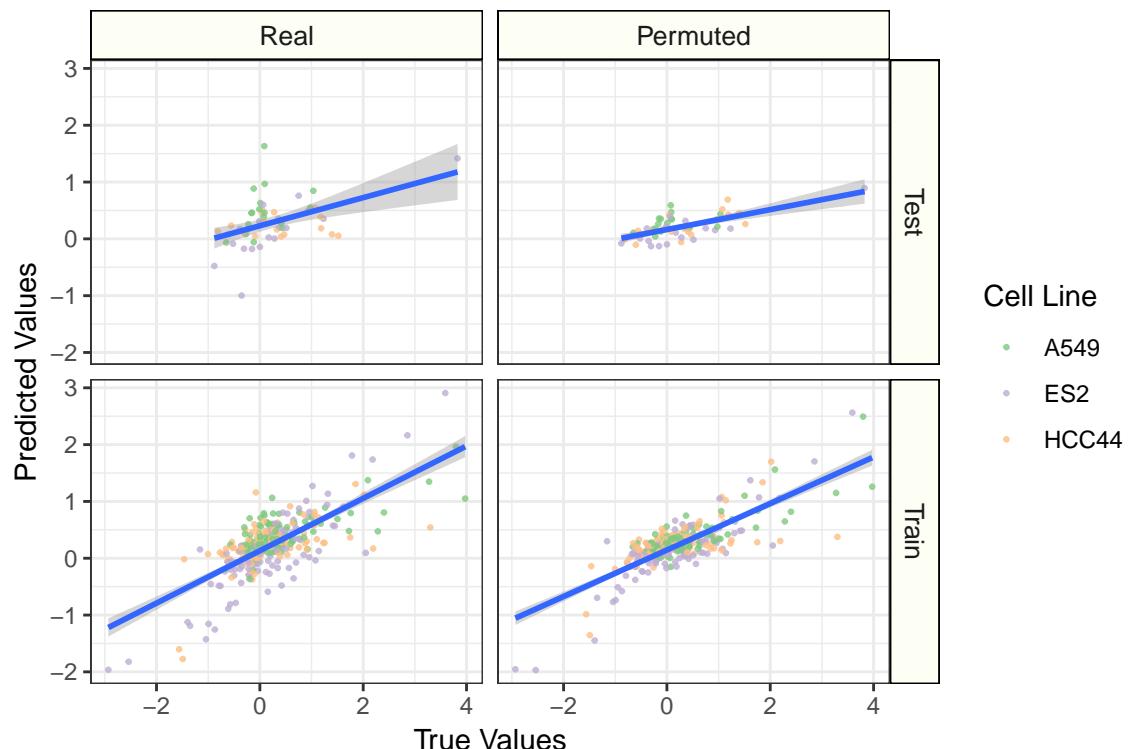


fit	shuffle	transform	r2	value
Train	Real	raw	0.74	0.18
Test	Real	raw	0.64	0.28
Train	Shuffle	raw	0.21	0.56
Test	Shuffle	raw	-0.09	0.83

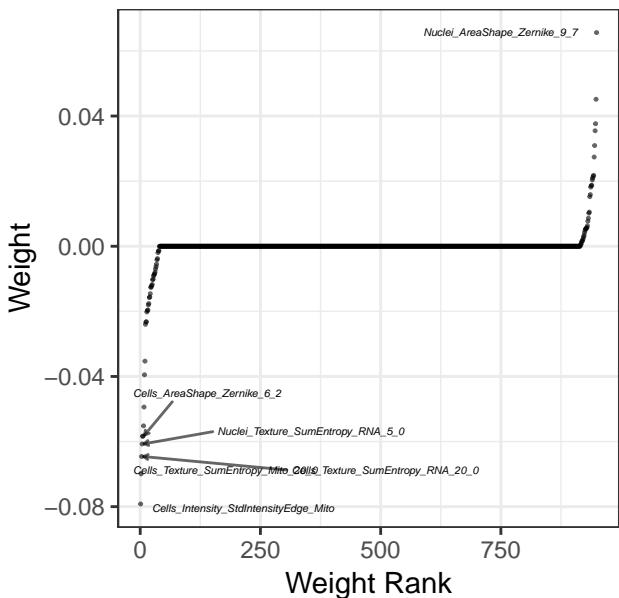


# Performance: cc\_s\_n\_spots\_h2ax\_mean

Transform: raw

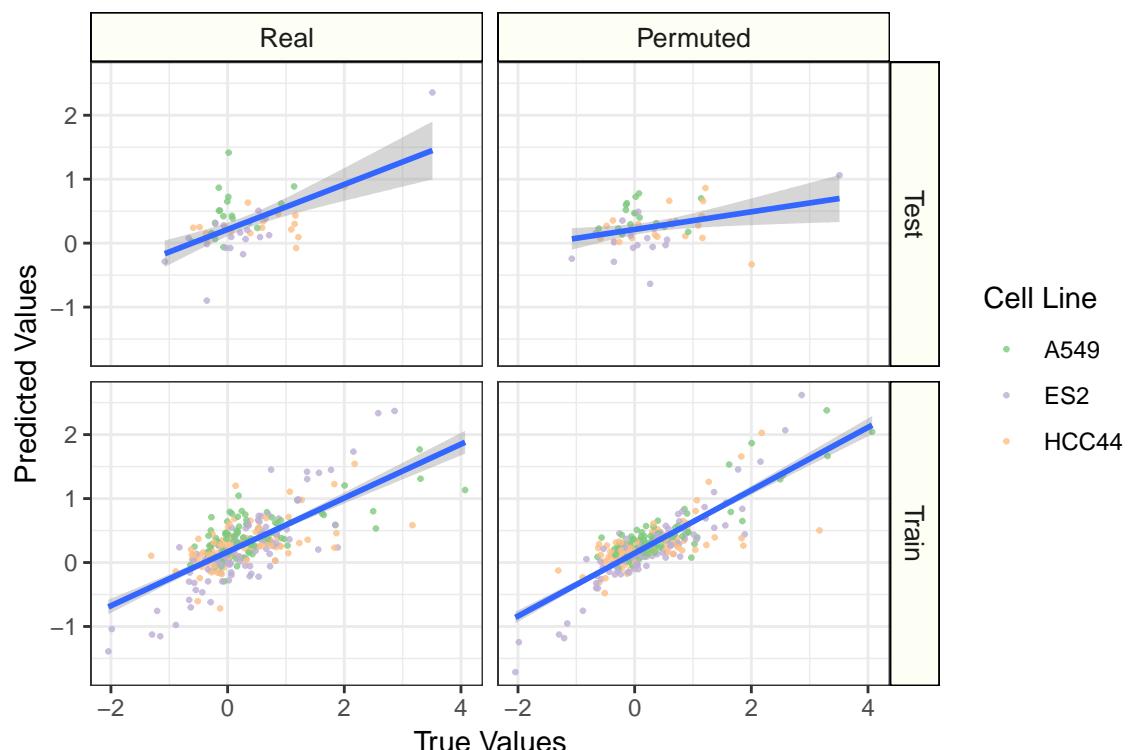


fit	shuffle	transform	r2	value
Train	Real	raw	0.52	0.33
Test	Real	raw	0.20	0.45
Train	Shuffle	raw	0.55	0.32
Test	Shuffle	raw	0.27	0.41

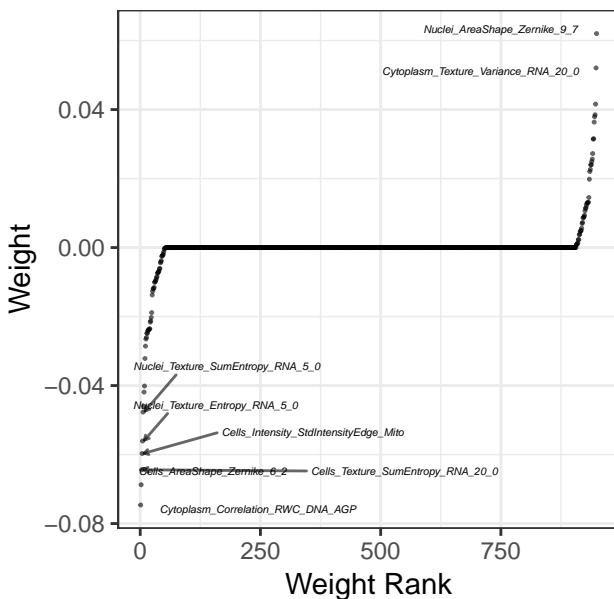


# Performance: cc\_s\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

## Transform: raw

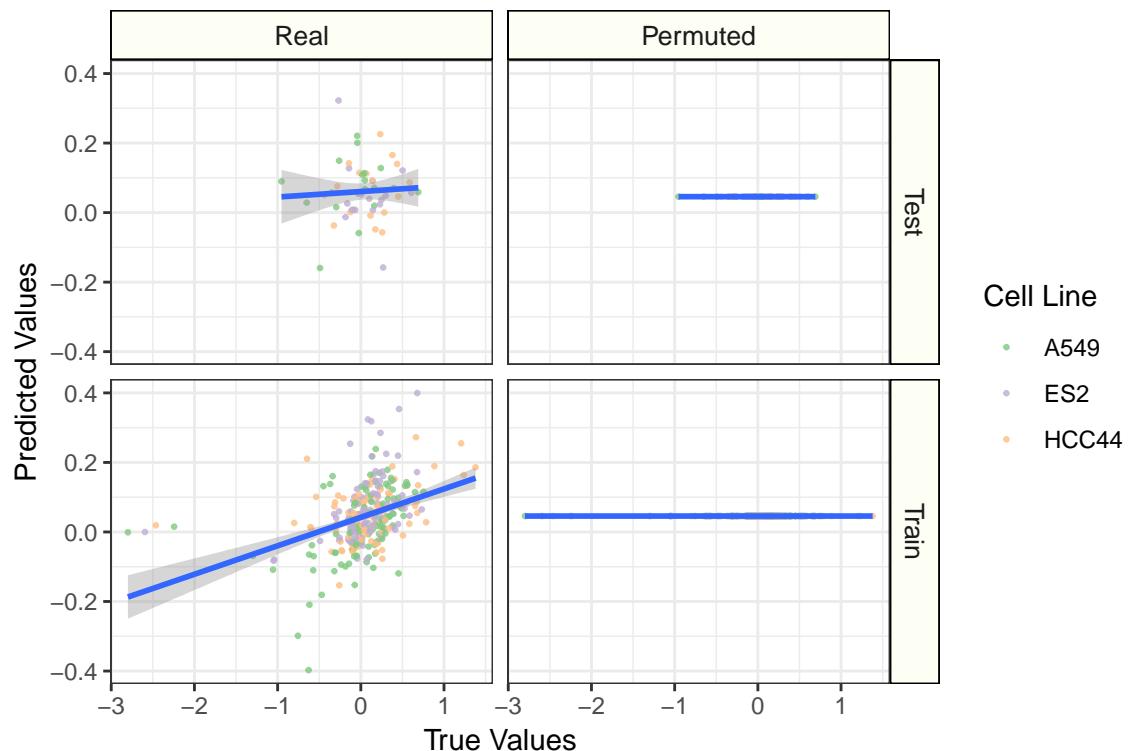


fit	shuffle	transform	r <sup>2</sup>	value
Train	Real	raw	0.50	0.30
Test	Real	raw	0.34	0.35
Train	Shuffle	raw	0.64	0.22
Test	Shuffle	raw	0.10	0.48

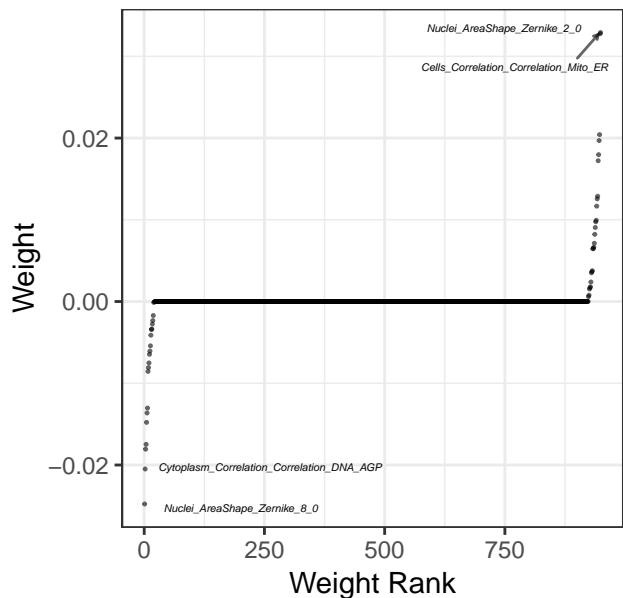


# Performance: vb\_infection\_percentage

Transform: raw

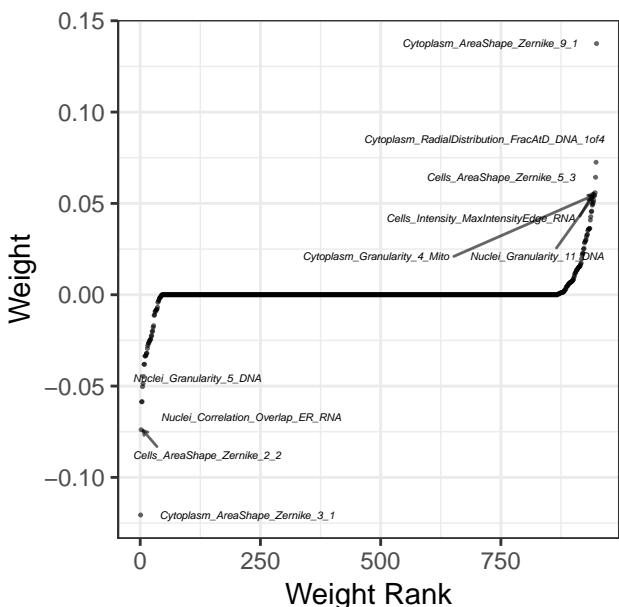
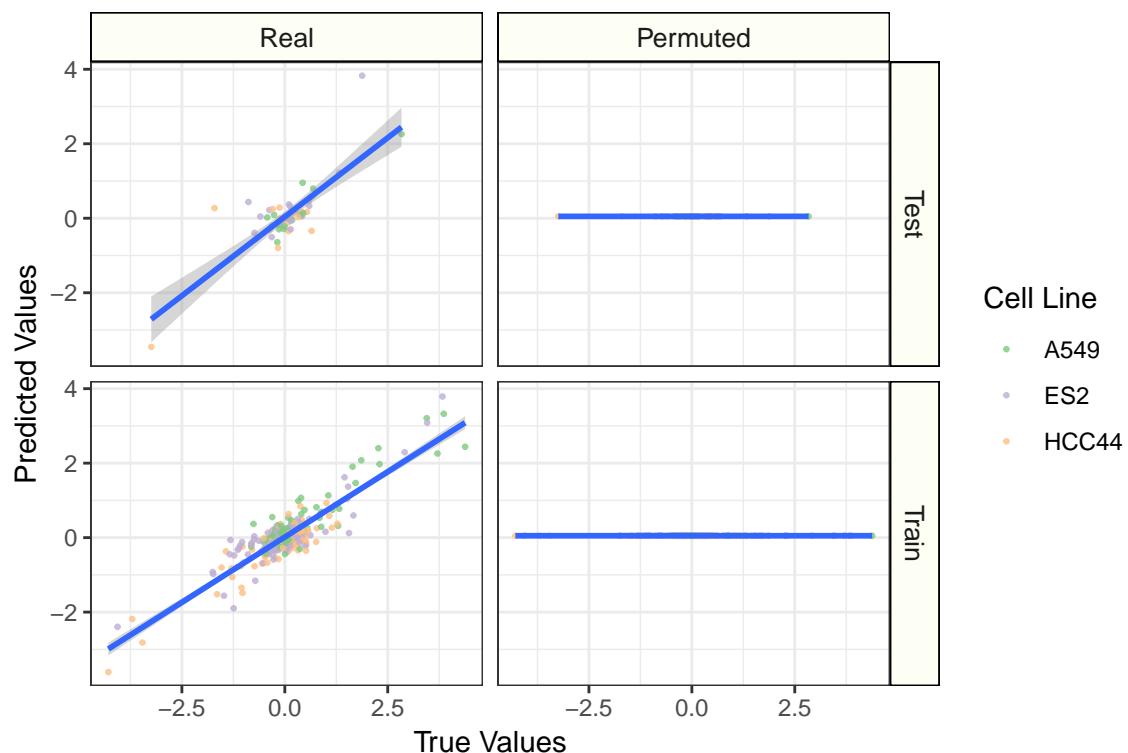


fit	shuffle	transform	r2	value
Train	Real	raw	0.12	0.18
Test	Real	raw	-0.05	0.10
Train	Shuffle	raw	0.00	0.20
Test	Shuffle	raw	0.00	0.10



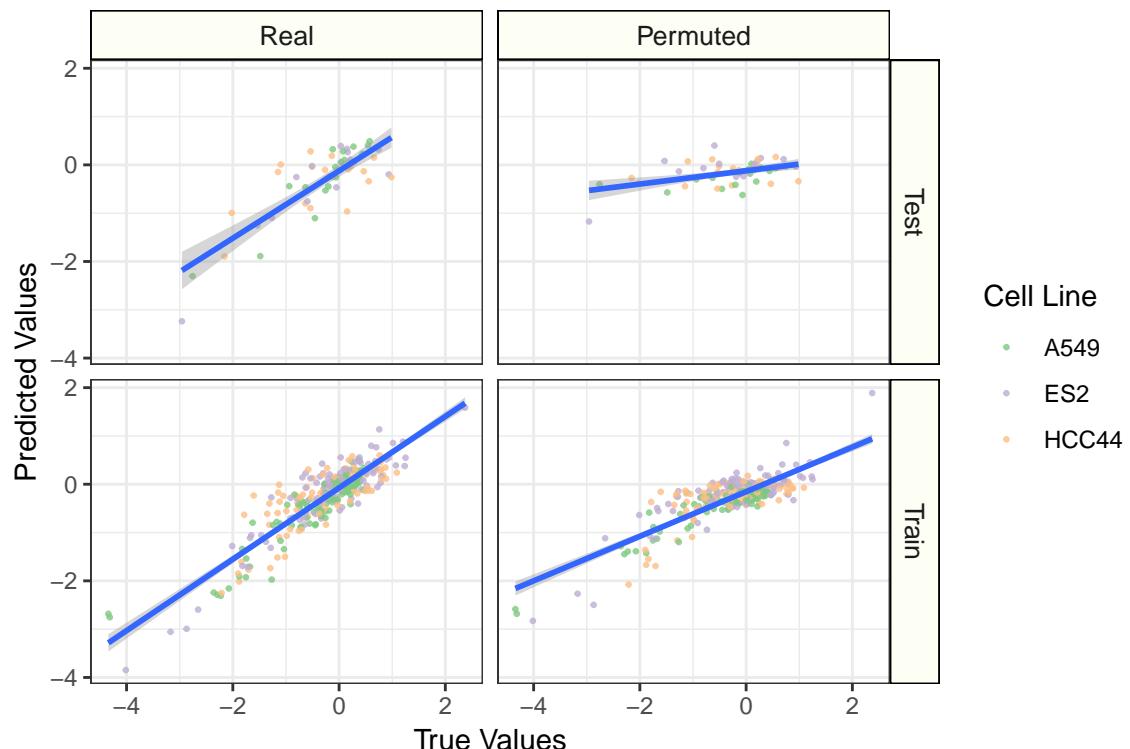
# Performance: vb\_live\_cell\_area

Transform: raw

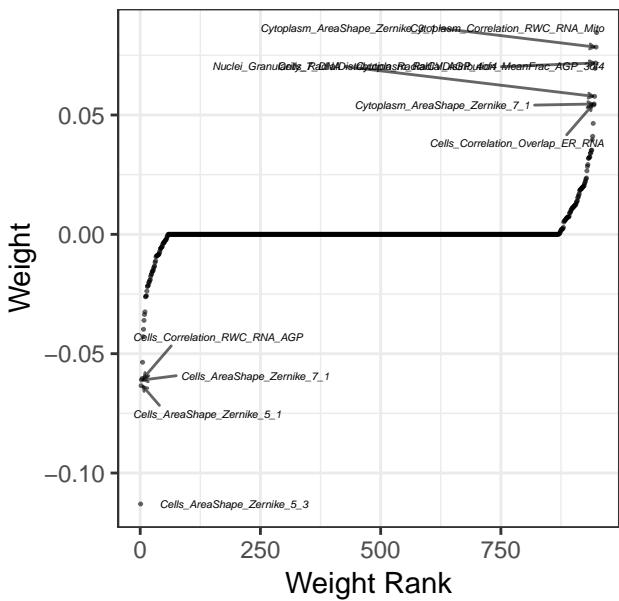


# Performance: vb\_live\_cell\_roundness

Transform: raw

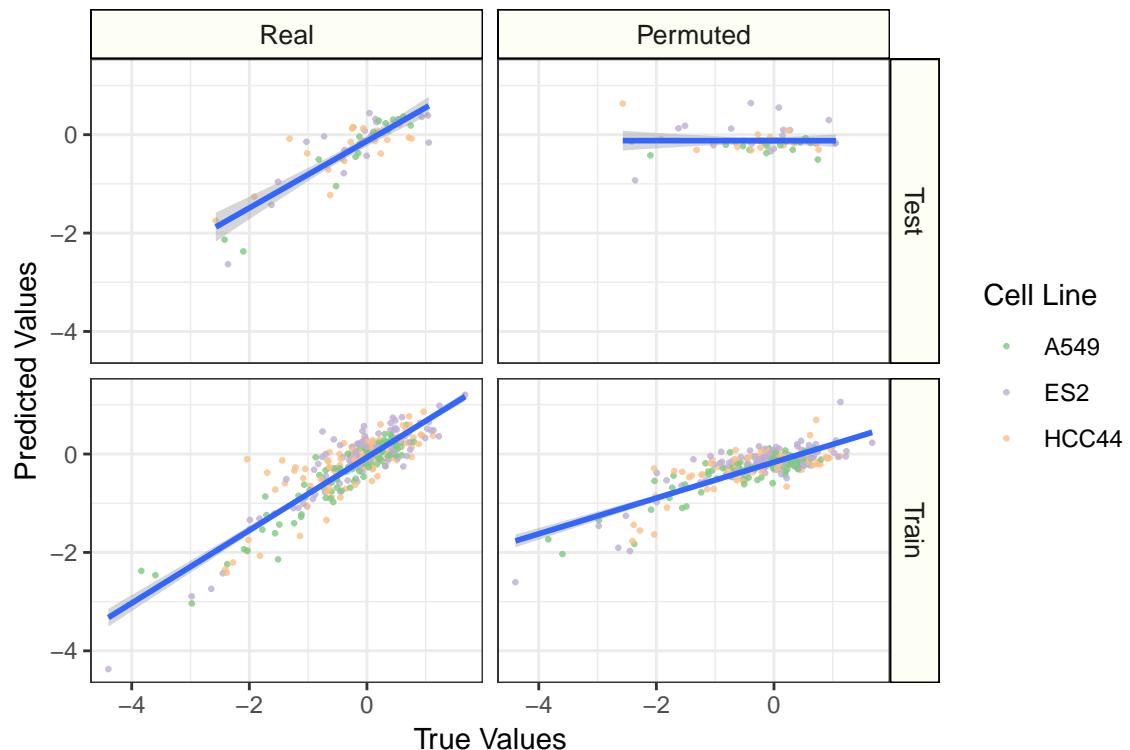


fit	shuffle	transform	r2	value
Train	Real	raw	0.79	0.16
Test	Real	raw	0.66	0.24
Train	Shuffle	raw	0.61	0.29
Test	Shuffle	raw	0.17	0.60

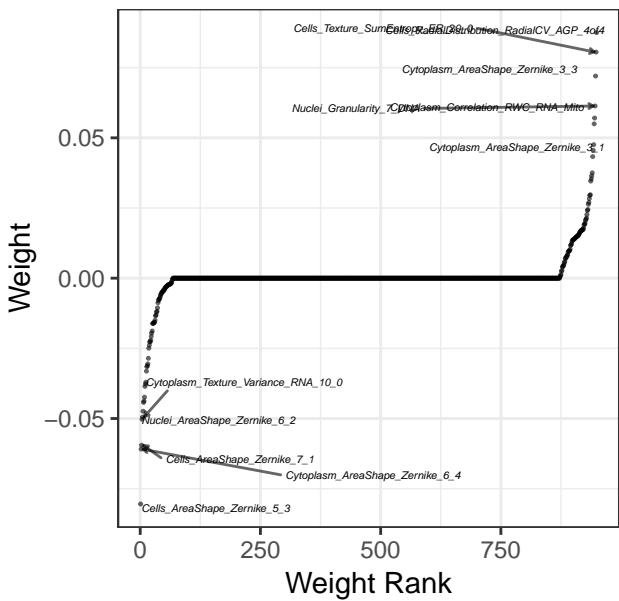


# Performance: vb\_live\_cell\_width\_length

Transform: raw

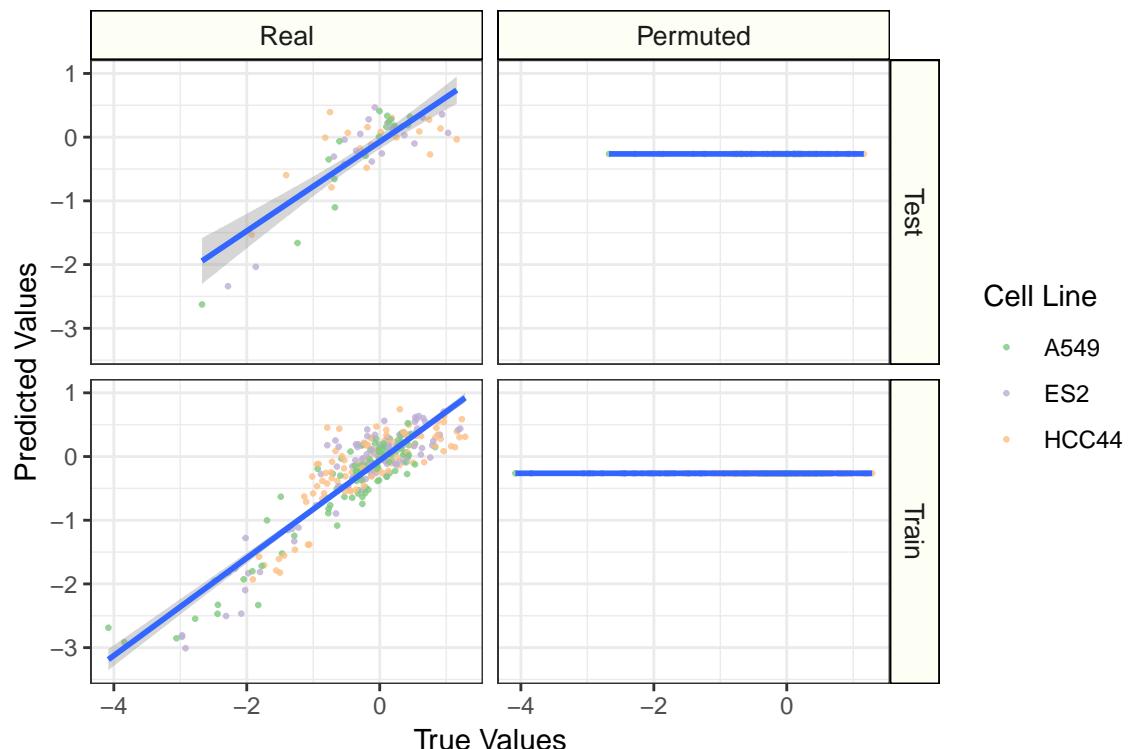


fit	shuffle	transform	r2	value
Train	Real	raw	0.79	0.16
Test	Real	raw	0.71	0.22
Train	Shuffle	raw	0.52	0.37
Test	Shuffle	raw	-0.12	0.84

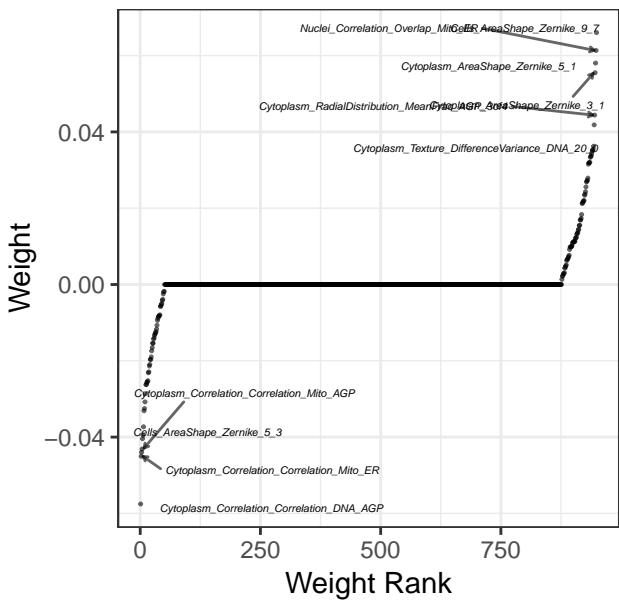


# Performance: vb\_num\_live\_cells

Transform: raw

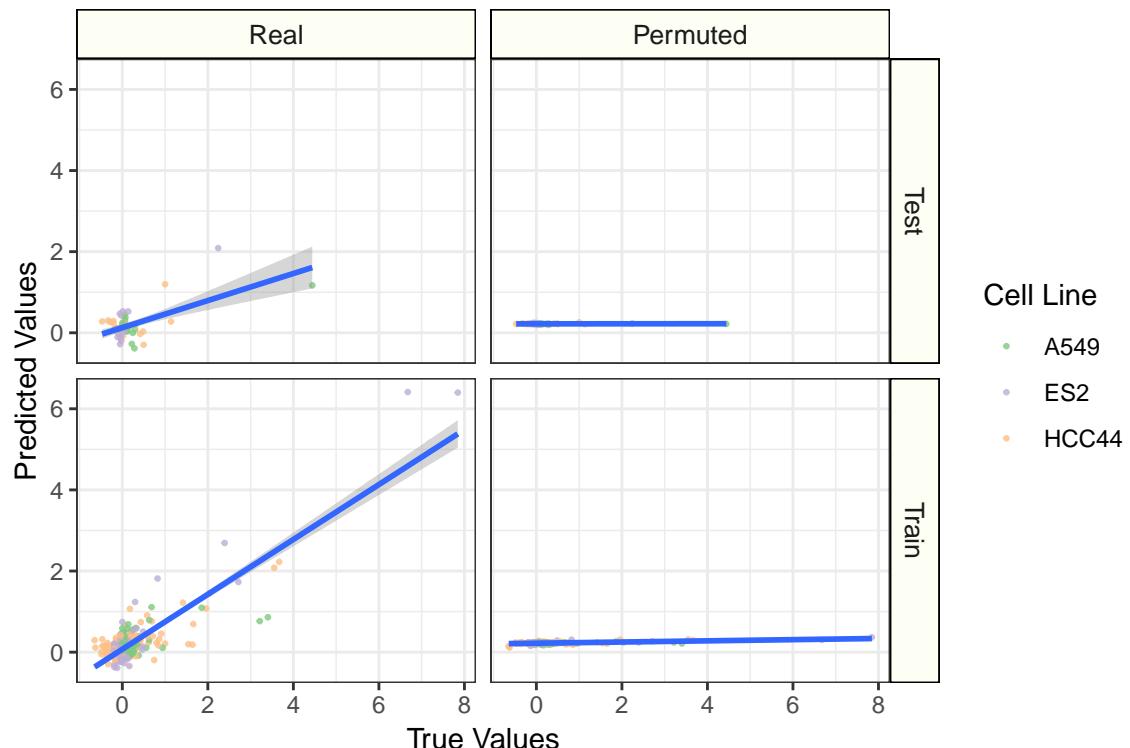


fit	shuffle	transform	r2	value
Train	Real	raw	0.81	0.14
Test	Real	raw	0.67	0.21
Train	Shuffle	raw	0.00	0.75
Test	Shuffle	raw	-0.01	0.63

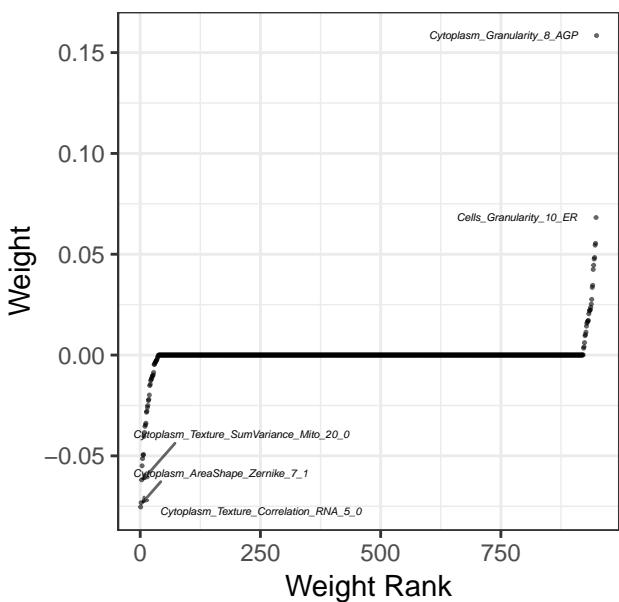


# Performance: vb\_percent\_all\_apoptosis

Transform: raw

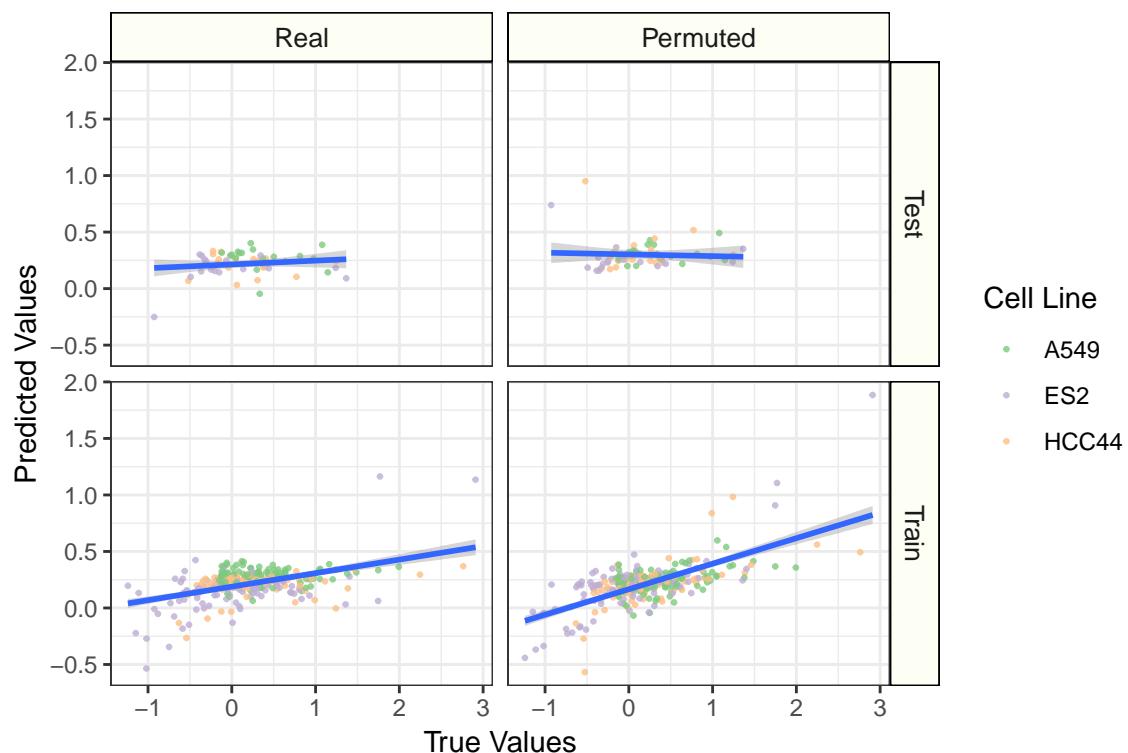


fit	shuffle	transform	r2	value
Train	Real	raw	0.74	0.16
Test	Real	raw	0.37	0.31
Train	Shuffle	raw	0.03	0.62
Test	Shuffle	raw	0.00	0.50

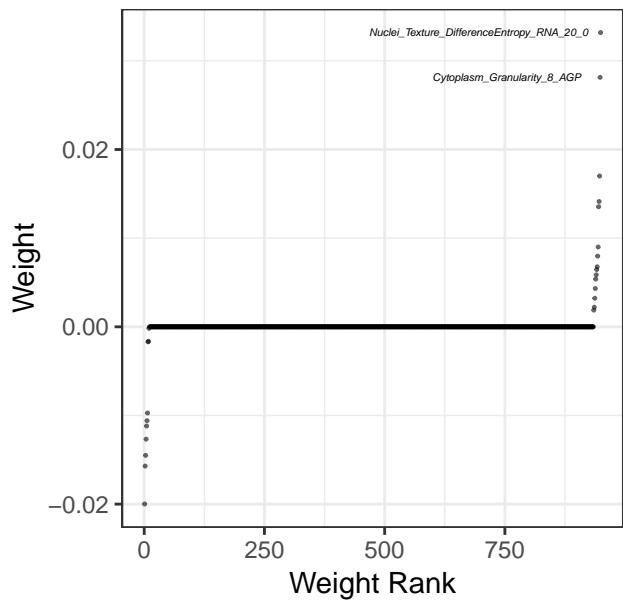


# Performance: vb\_percent\_caspase\_dead\_only

## Transform: raw

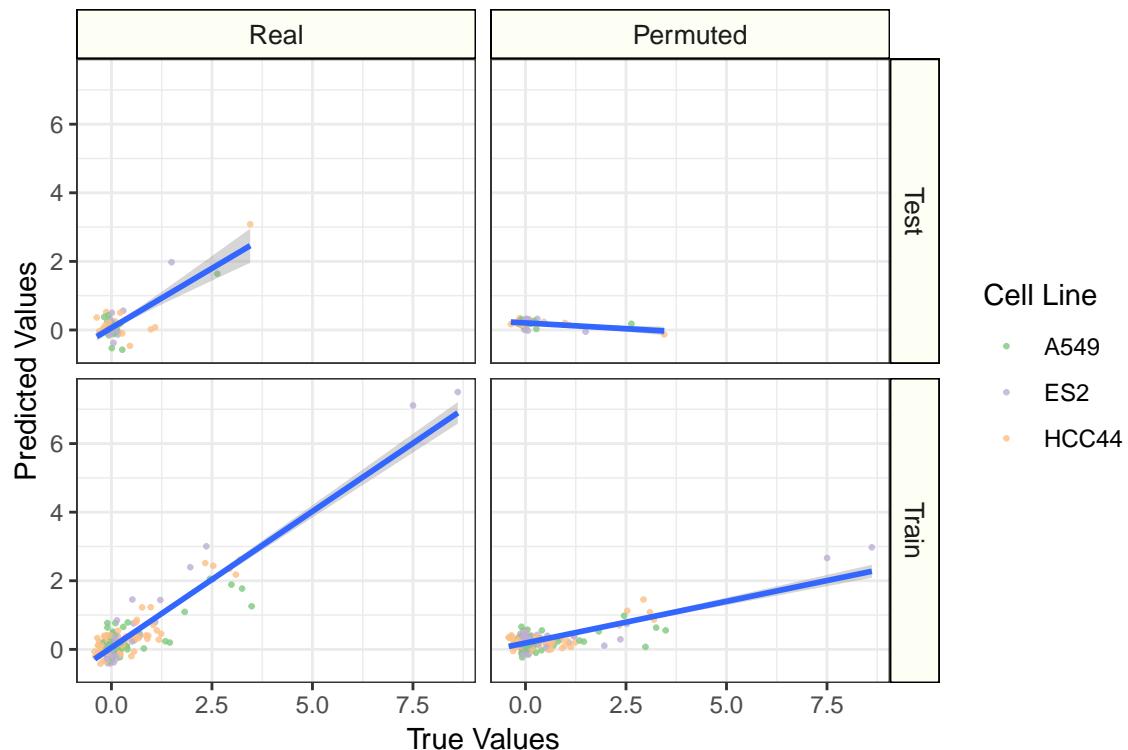


fit	shuffle	transform	r2	value
Train	Real	raw	0.17	0.26
Test	Real	raw	0.00	0.24
Train	Shuffle	raw	0.34	0.21
Test	Shuffle	raw	-0.18	0.28

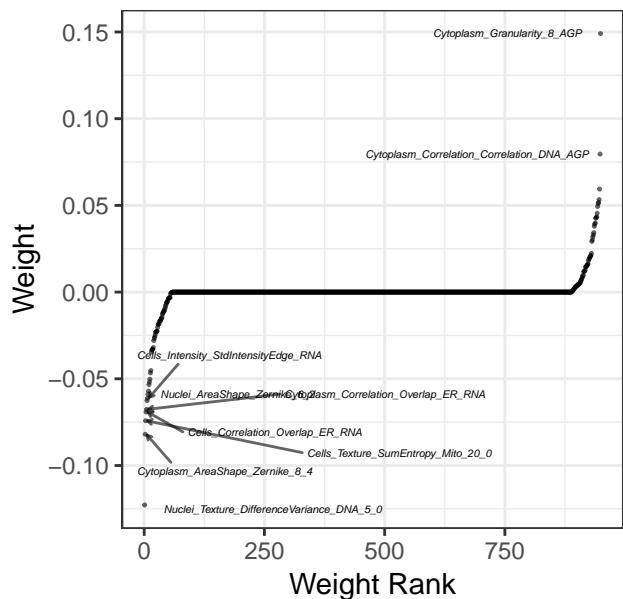


# Performance: vb\_percent\_dead

Transform: raw

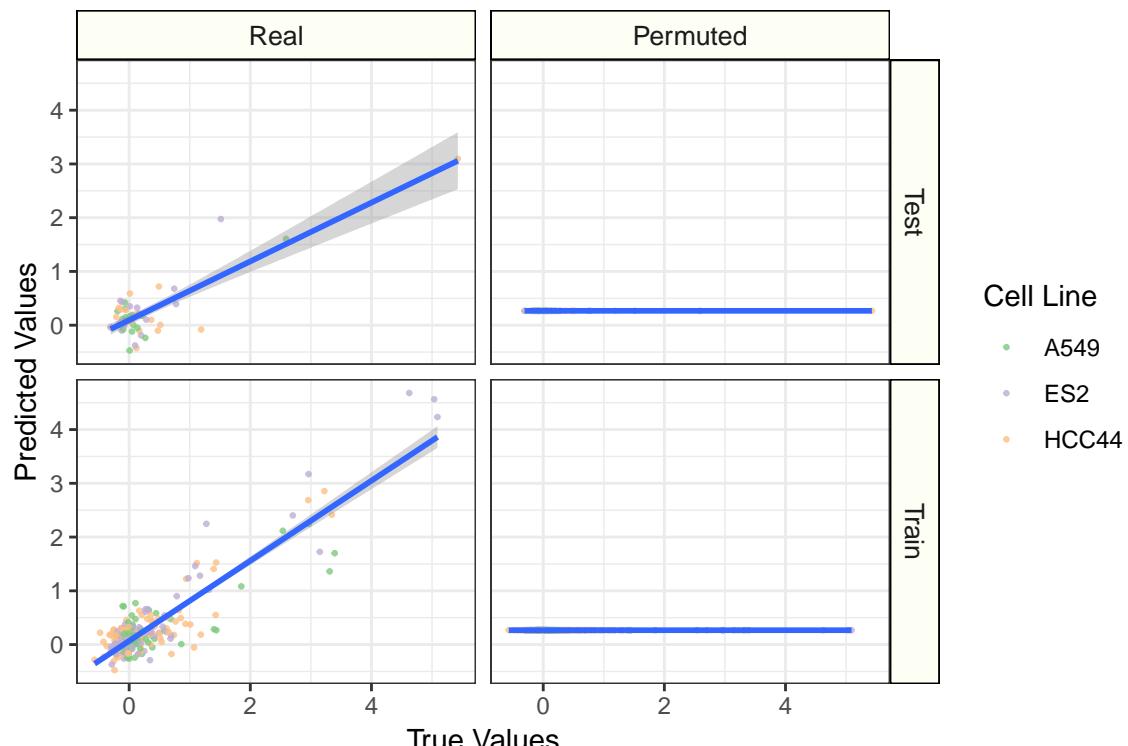


fit	shuffle	transform	r2	value
Train	Real	raw	0.85	0.12
Test	Real	raw	0.62	0.16
Train	Shuffle	raw	0.39	0.48
Test	Shuffle	raw	-0.16	0.48

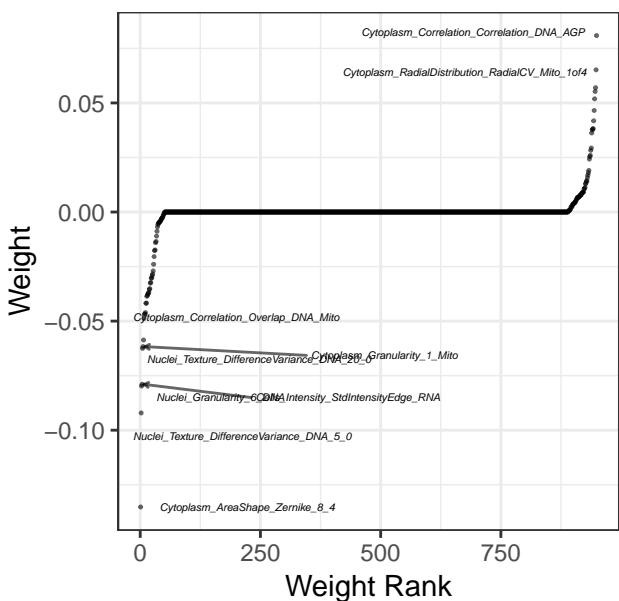


# Performance: vb\_percent\_dead\_only

Transform: raw

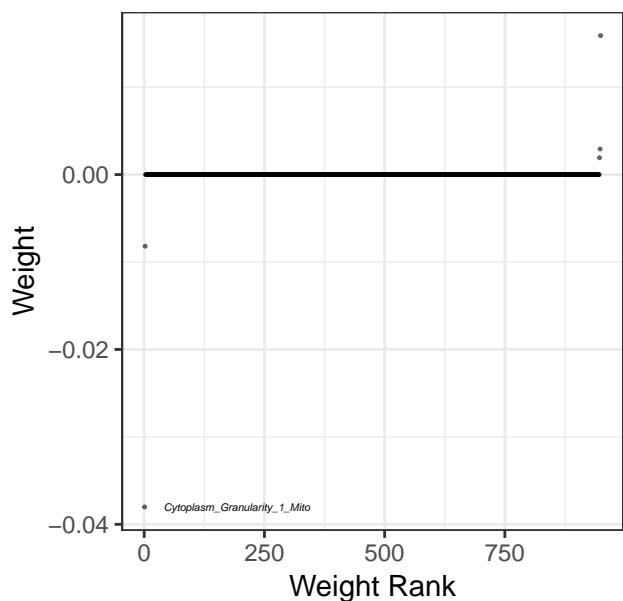
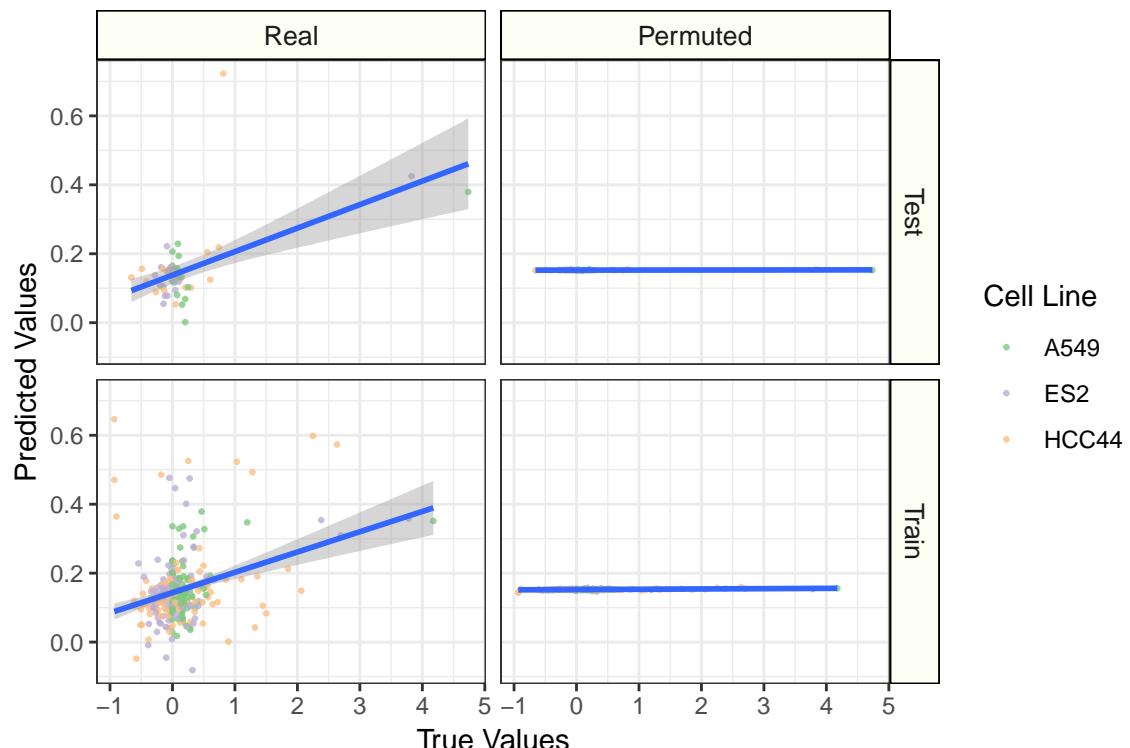


fit	shuffle	transform	r2	value
Train	Real	raw	0.80	0.12
Test	Real	raw	0.66	0.25
Train	Shuffle	raw	0.00	0.63
Test	Shuffle	raw	0.00	0.73



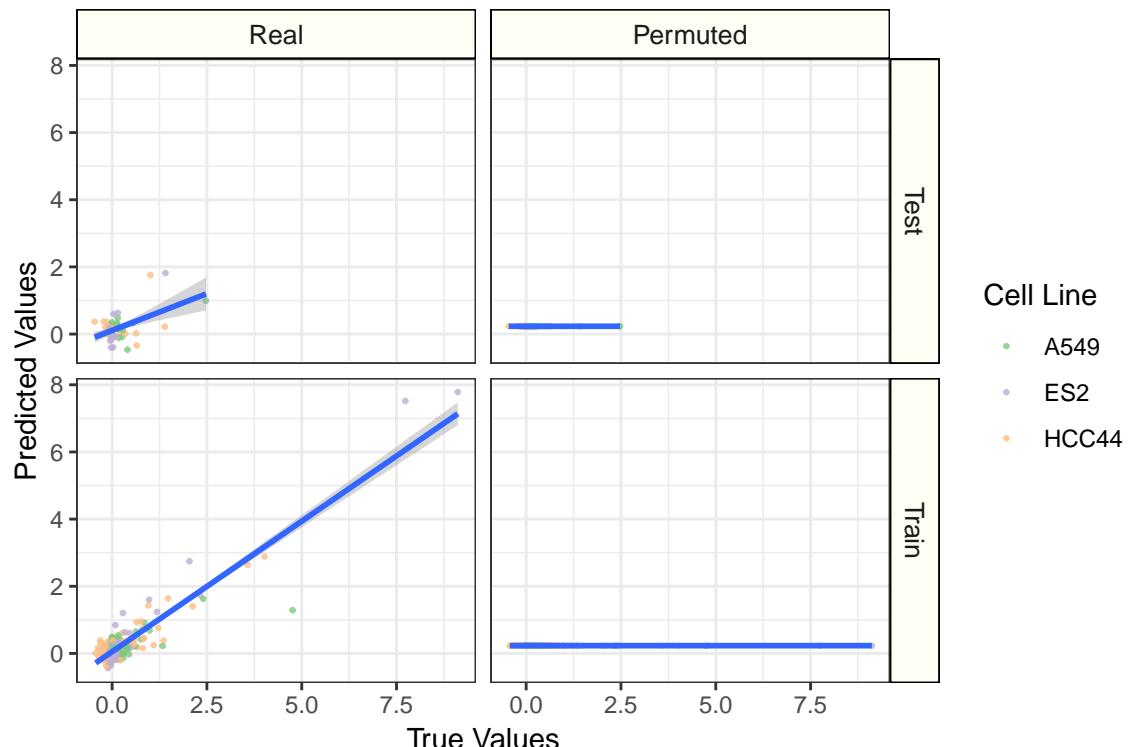
# Performance: vb\_percent\_early\_apoptosis

Transform: raw

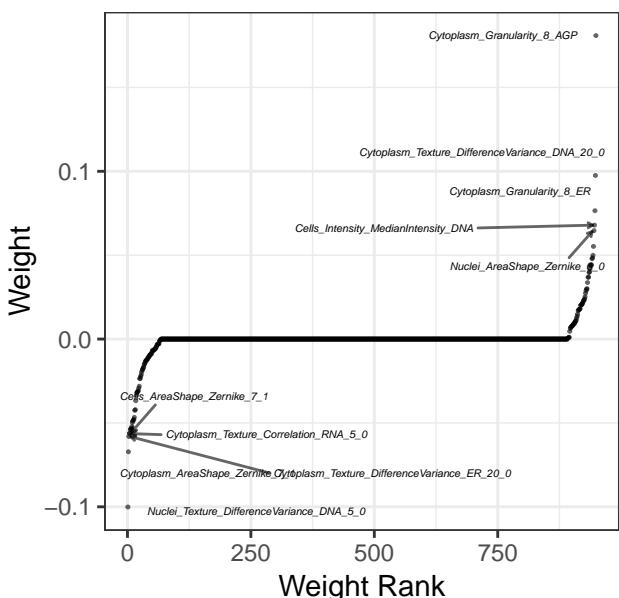


# Performance: vb\_percent\_late\_apoptosis

Transform: raw

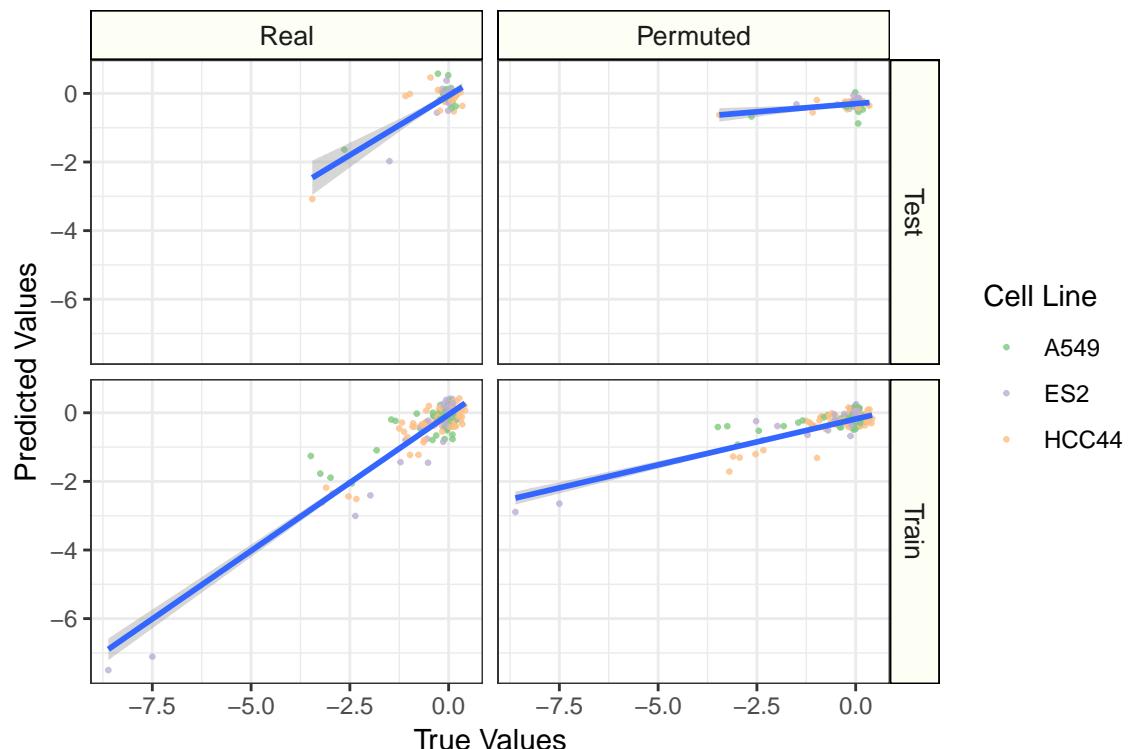


fit	shuffle	transform	r2	value
Train	Real	raw	0.84	0.12
Test	Real	raw	0.12	0.19
Train	Shuffle	raw	0.00	0.75
Test	Shuffle	raw	-0.01	0.22

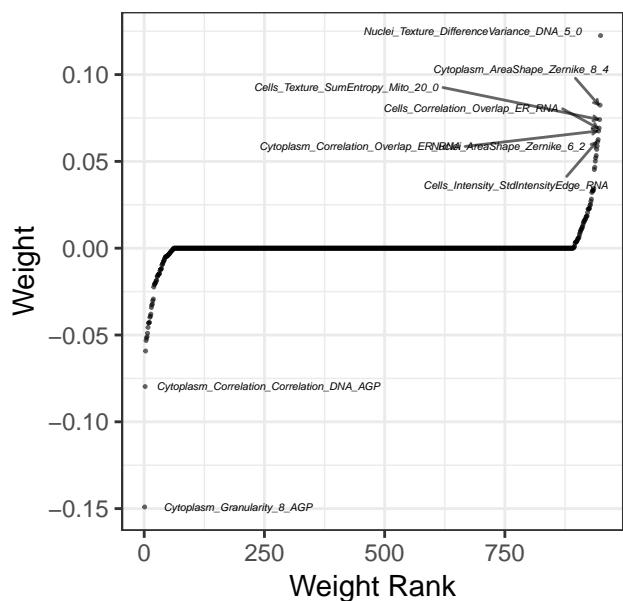


# Performance: vb\_percent\_live

Transform: raw

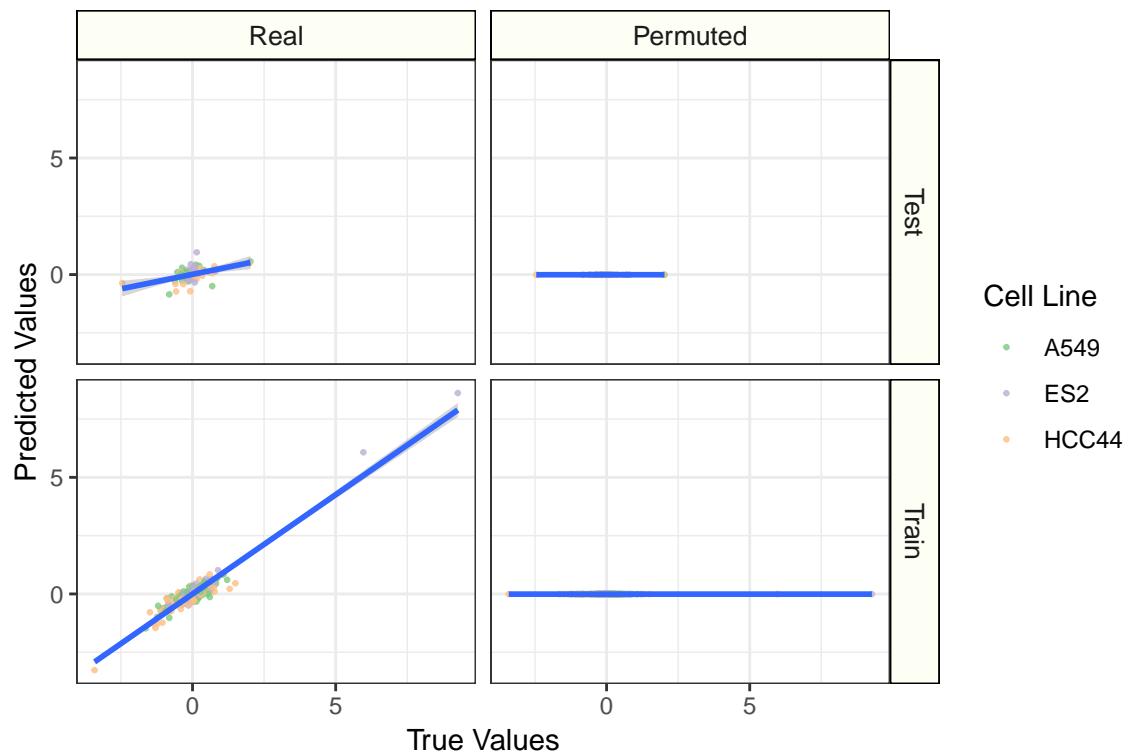


fit	shuffle	transform	r2	value
Train	Real	raw	0.85	0.12
Test	Real	raw	0.62	0.16
Train	Shuffle	raw	0.42	0.45
Test	Shuffle	raw	0.10	0.38

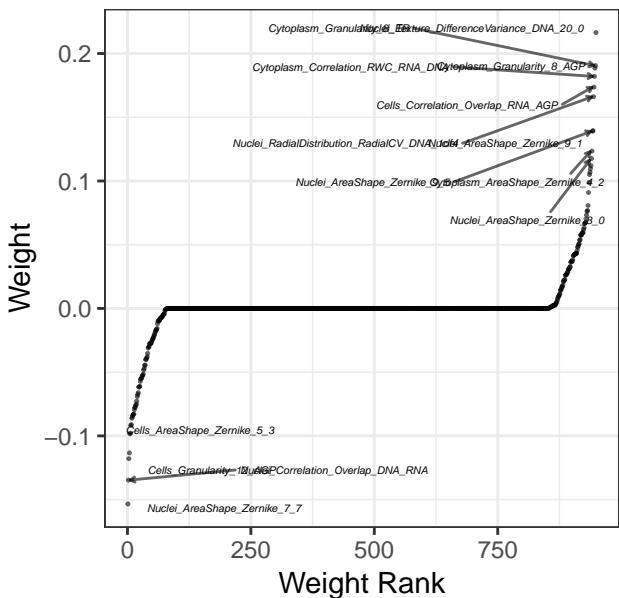


# Performance: vb\_ros\_back\_mean

Transform: raw



fit	shuffle	transform	r2	value
Train	Real	raw	0.90	0.07
Test	Real	raw	0.21	0.30
Train	Shuffle	raw	0.00	0.65
Test	Shuffle	raw	0.00	0.38



# Performance: vb\_ros\_mean

Transform: raw

