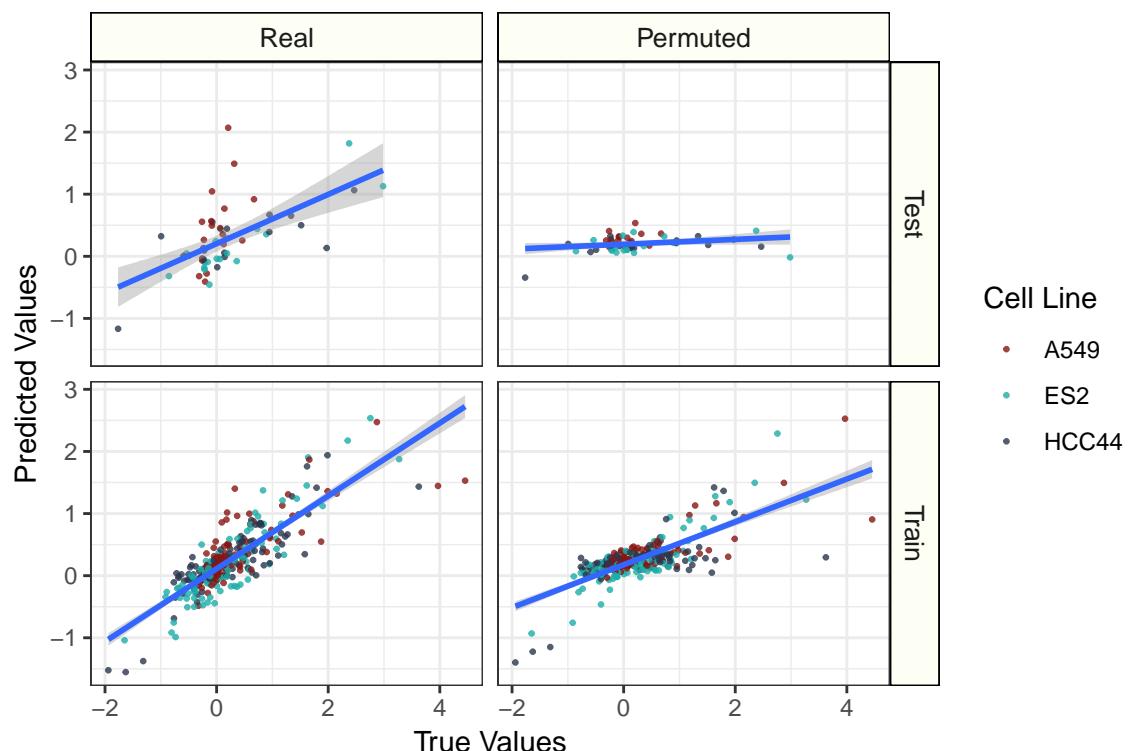
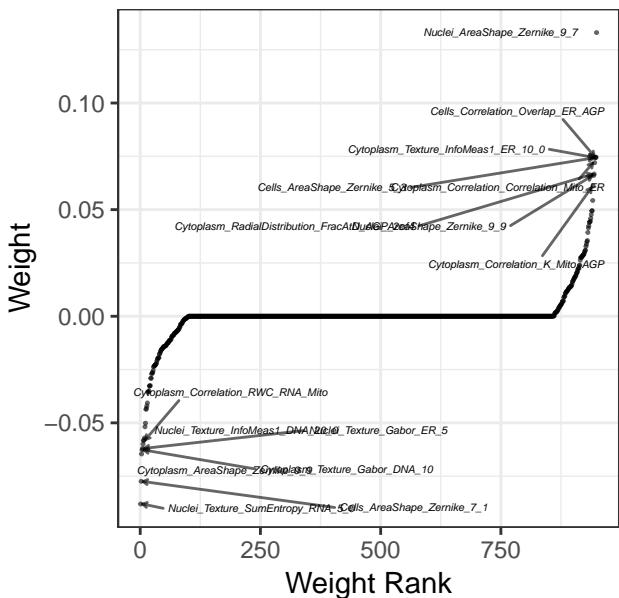


# Performance: cc\_all\_high\_h2ax

Transform: raw

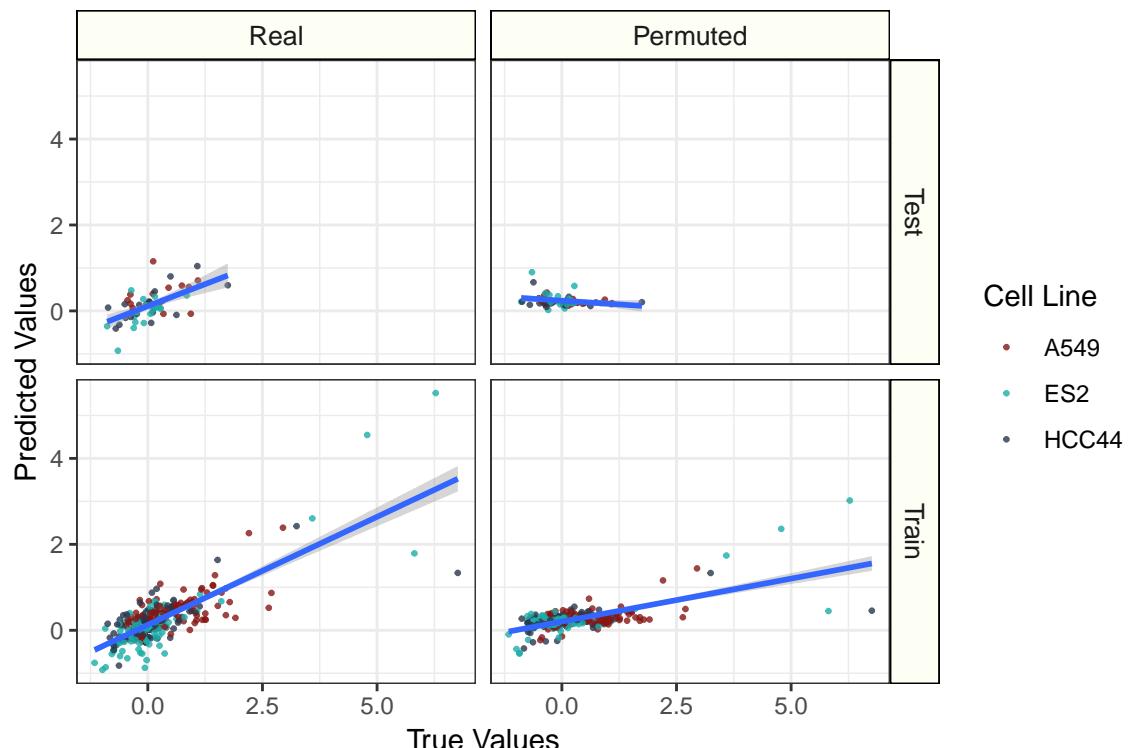


fit	shuffle	transform	r2	value
Train	Real	raw	0.68	0.19
Test	Real	raw	0.34	0.46
Train	Shuffle	raw	0.48	0.32
Test	Shuffle	raw	0.05	0.65

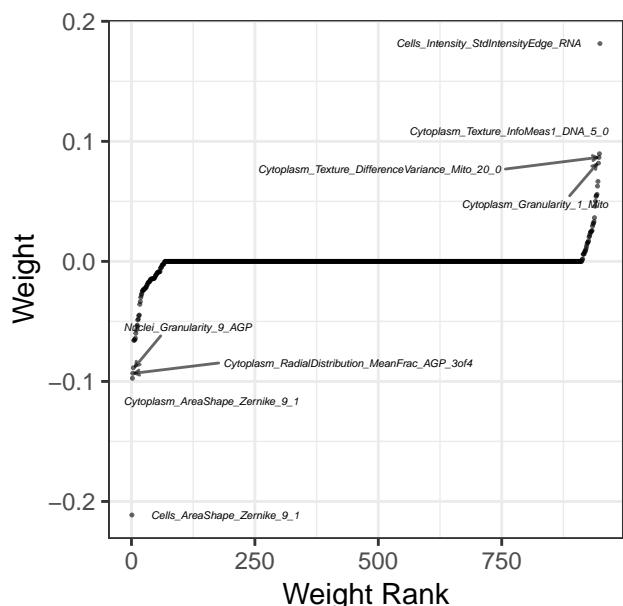


# Performance: cc\_all\_large\_notround\_polinuclear\_mean

Transform: raw

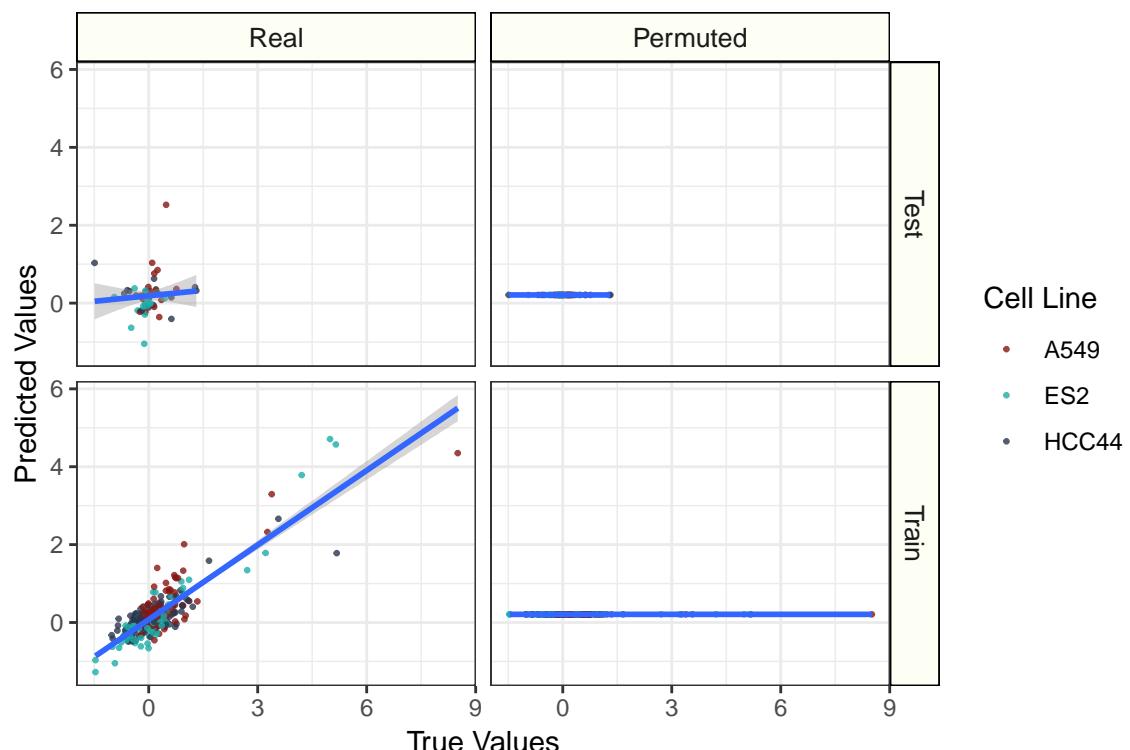


fit	shuffle	transform	r2	value
Train	Real	raw	0.59	0.36
Test	Real	raw	0.30	0.19
Train	Shuffle	raw	0.31	0.62
Test	Shuffle	raw	-0.34	0.36

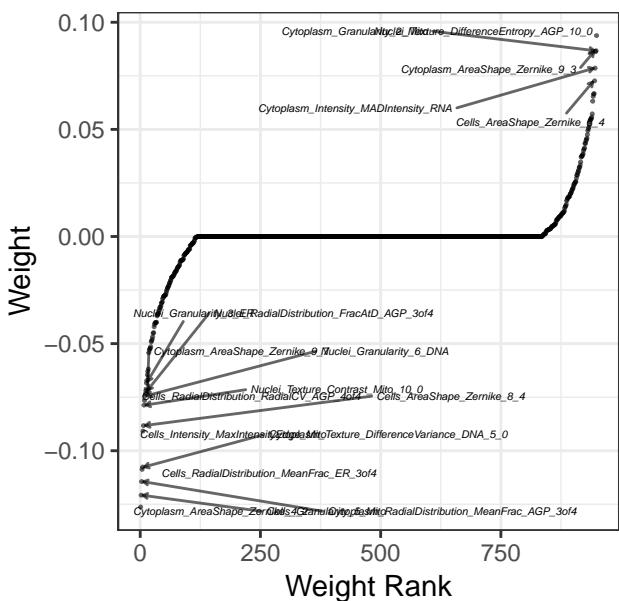


# Performance: cc\_all\_large\_round\_polyplloid\_mean

## Transform: raw

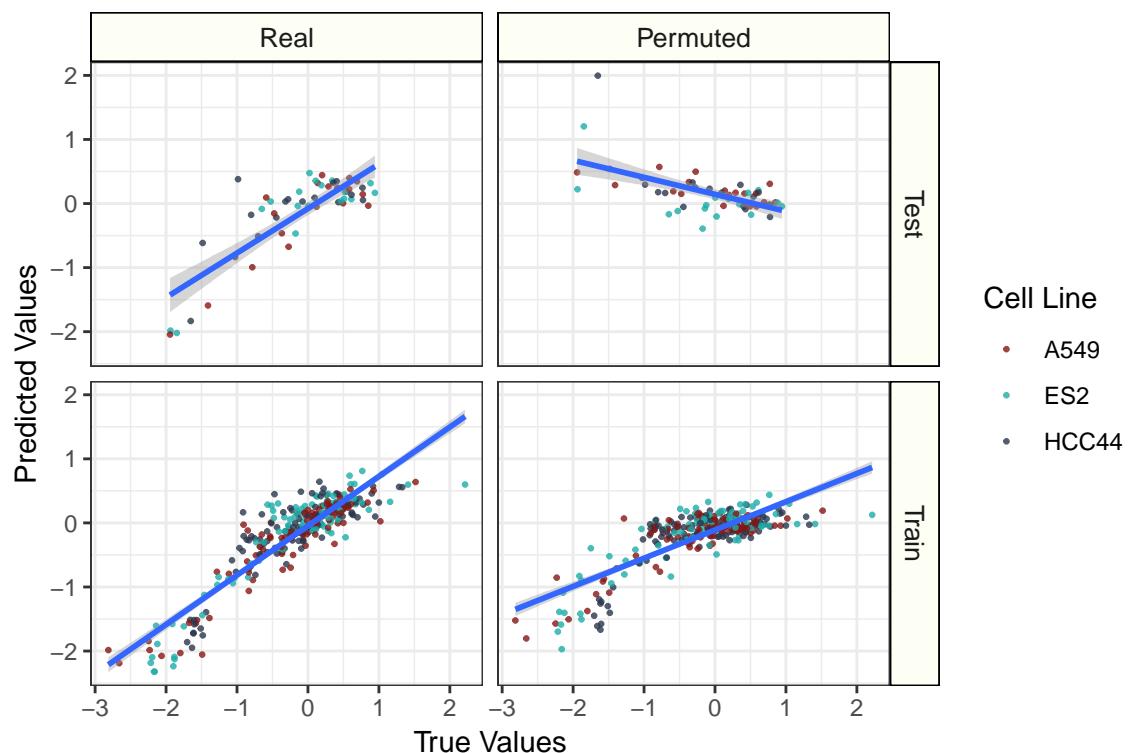


fit	shuffle	transform	r2	value
Train	Real	raw	0.74	0.23
Test	Real	raw	-1.14	0.43
Train	Shuffle	raw	0.00	0.90
Test	Shuffle	raw	-0.21	0.24

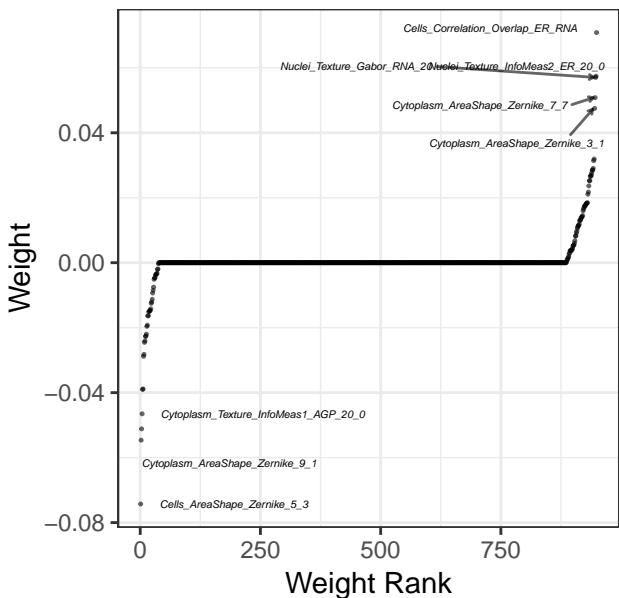


# Performance: cc\_all\_n\_objects

Transform: raw

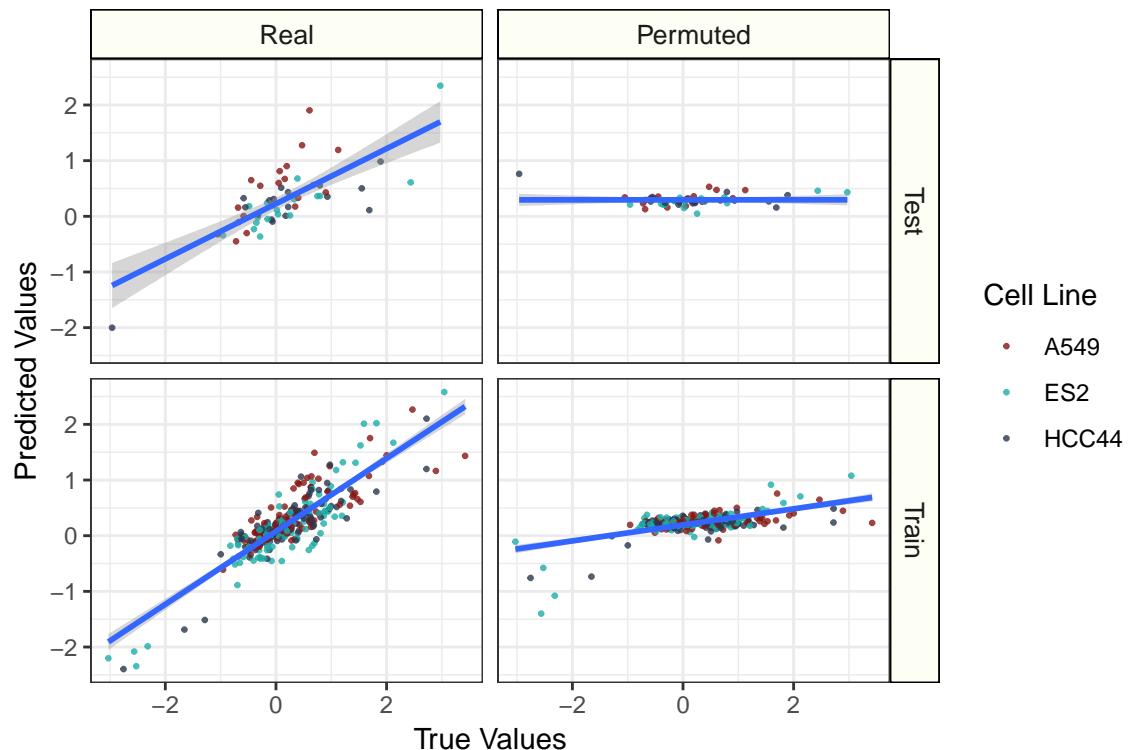


fit	shuffle	transform	r2	value
Train	Real	raw	0.81	0.12
Test	Real	raw	0.67	0.19
Train	Shuffle	raw	0.57	0.26
Test	Shuffle	raw	-0.86	1.08

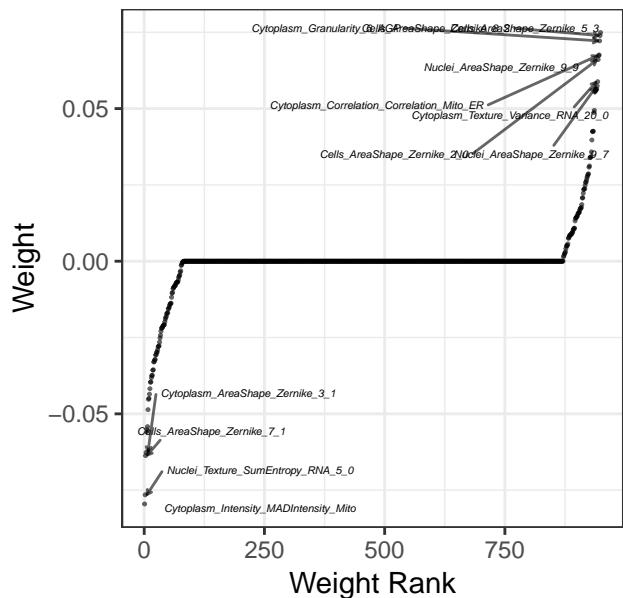


# Performance: cc\_all\_n\_spots\_h2ax\_mean

Transform: raw

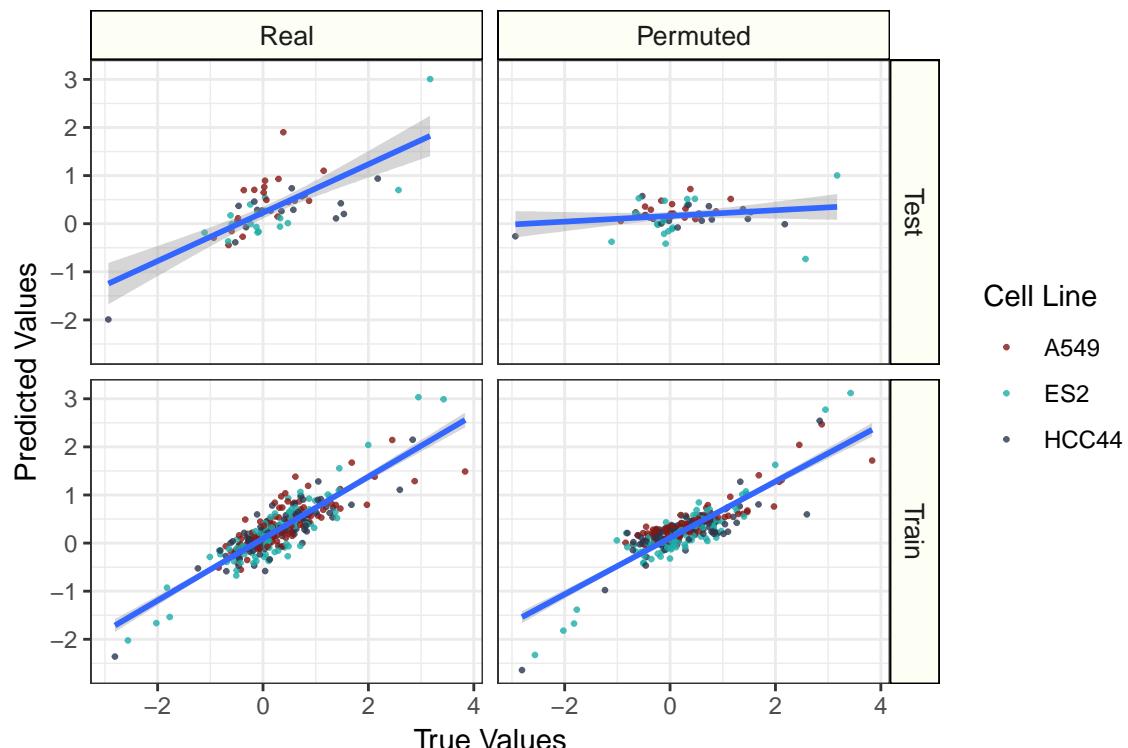


fit	shuffle	transform	r2	value
Train	Real	raw	0.74	0.17
Test	Real	raw	0.51	0.40
Train	Shuffle	raw	0.23	0.49
Test	Shuffle	raw	-0.04	0.85

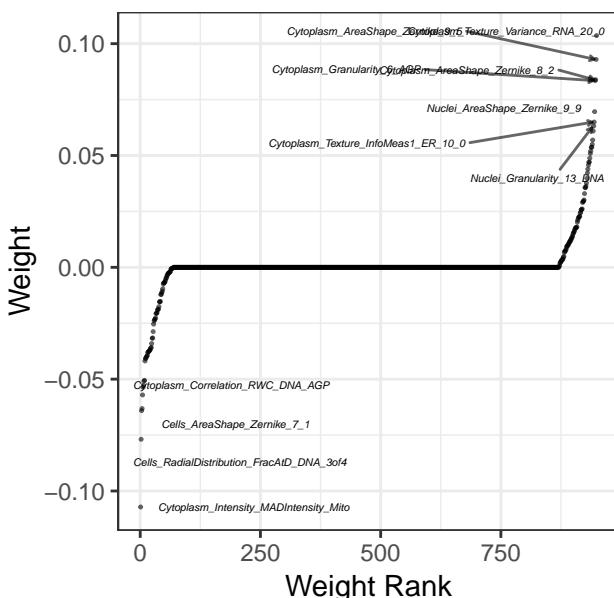


# Performance: cc\_all\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

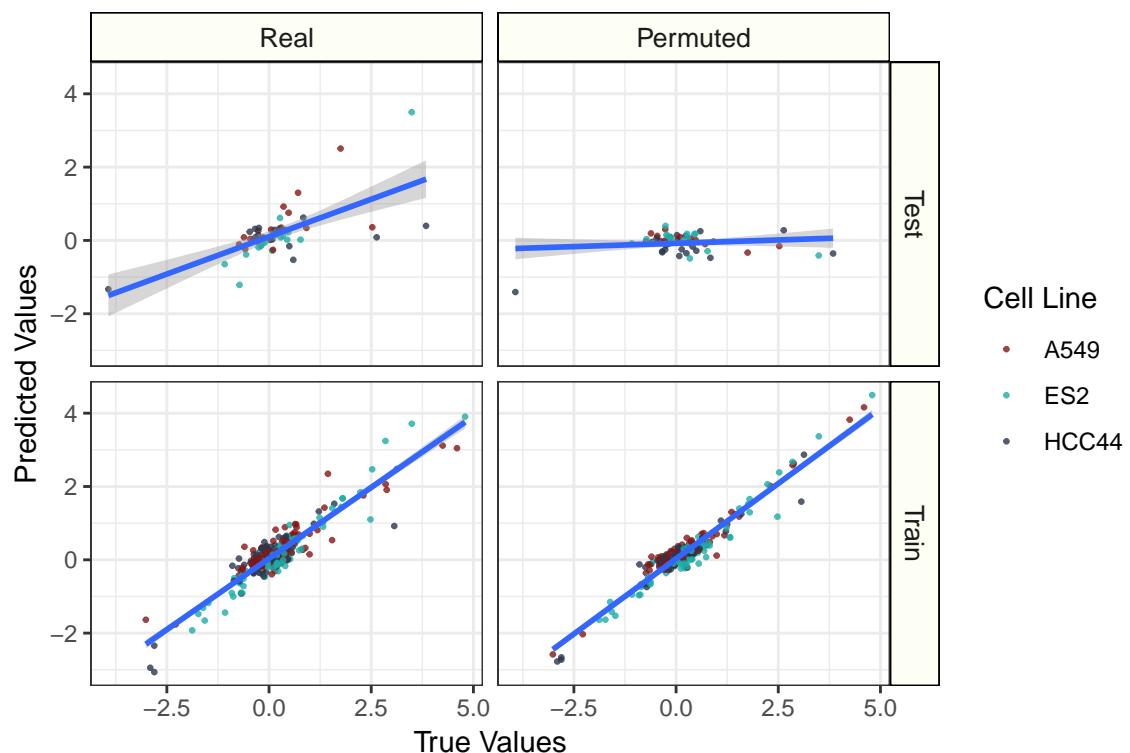


fit	shuffle	transform	r2	value
Train	Real	raw	0.73	0.16
Test	Real	raw	0.50	0.43
Train	Shuffle	raw	0.71	0.17
Test	Shuffle	raw	0.02	0.84

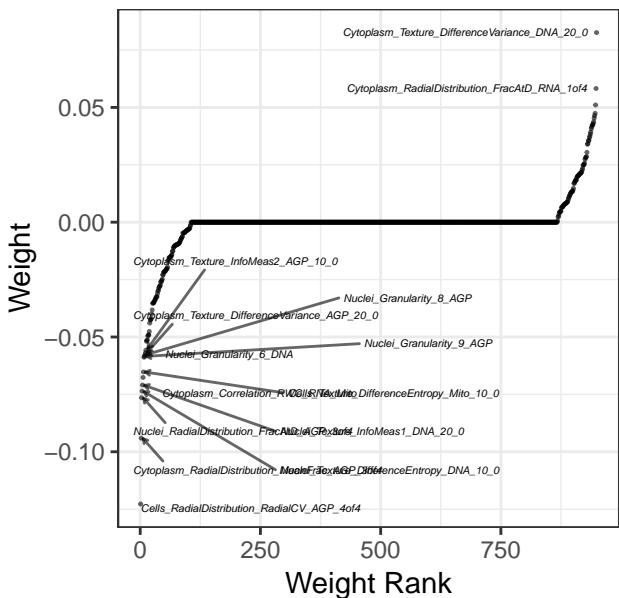


# Performance: cc\_all\_nucleus\_area\_mean

Transform: raw

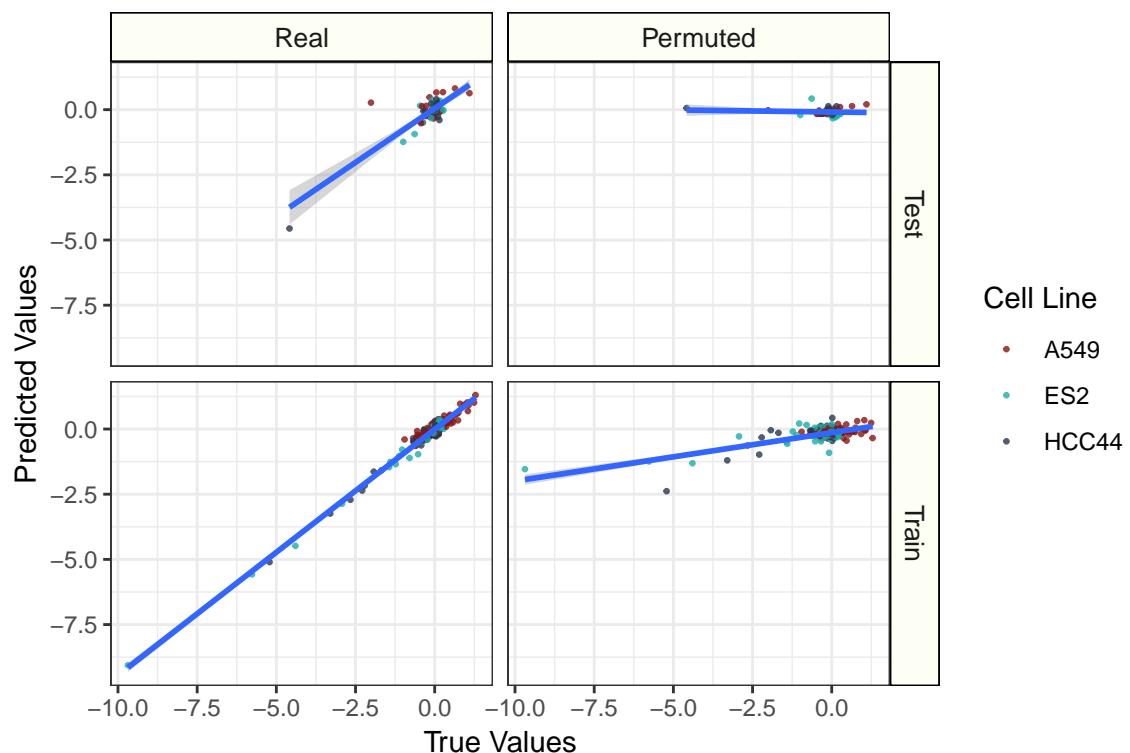


fit	shuffle	transform	r2	value
Train	Real	raw	0.85	0.13
Test	Real	raw	0.42	0.72
Train	Shuffle	raw	0.91	0.08
Test	Shuffle	raw	-0.04	1.28

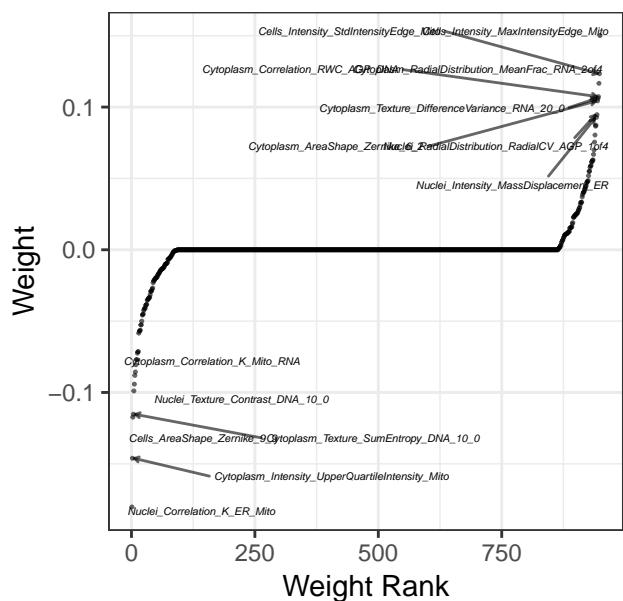


# Performance: cc\_all\_nucleus\_roundness\_mean

## Transform: raw

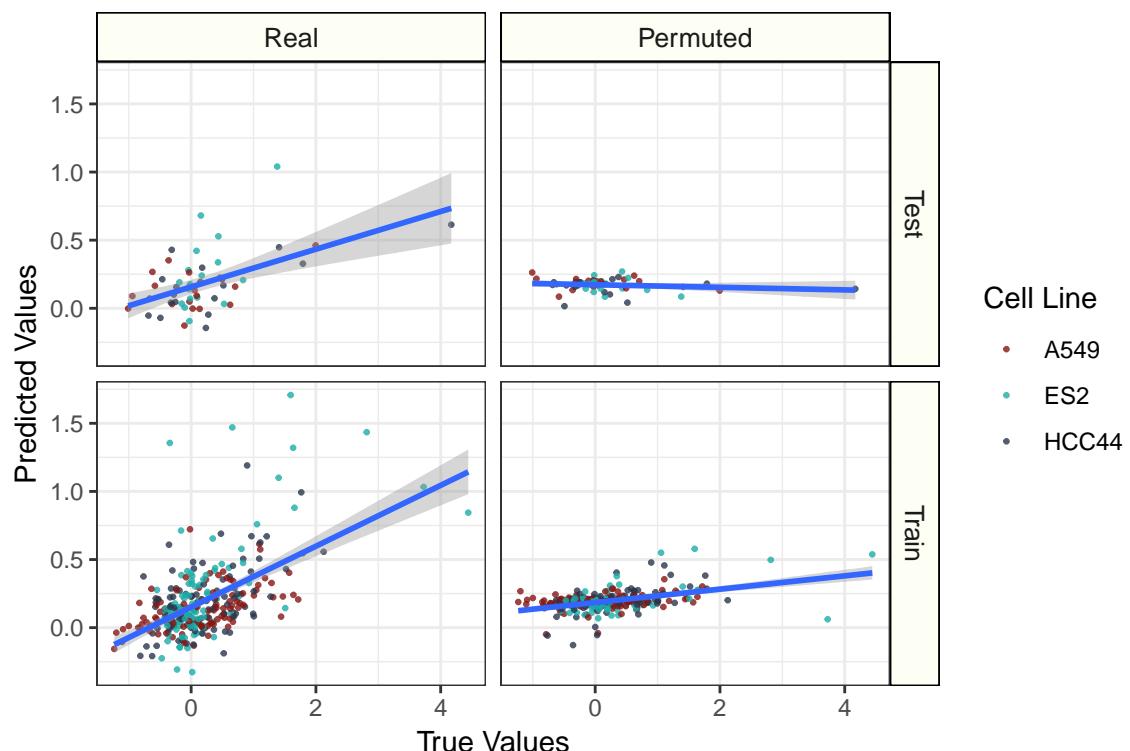


fit	shuffle	transform	r2	value
Train	Real	raw	0.97	0.02
Test	Real	raw	0.68	0.17
Train	Shuffle	raw	0.30	0.56
Test	Shuffle	raw	-0.07	0.57

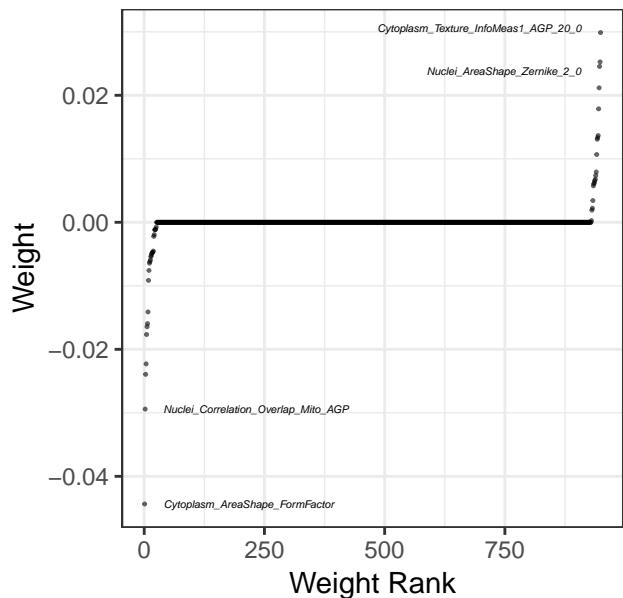


# Performance: cc\_cc\_early\_mitosis

Transform: raw

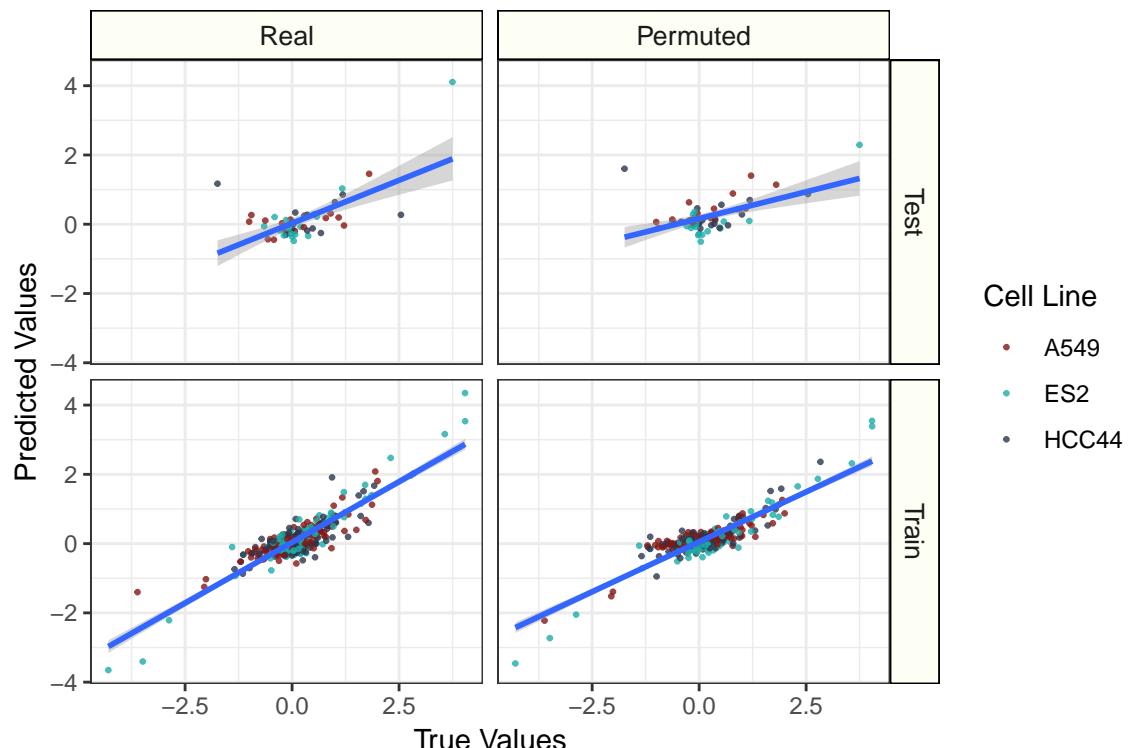


fit	shuffle	transform	r2	value
Train	Real	raw	0.28	0.33
Test	Real	raw	0.21	0.51
Train	Shuffle	raw	0.09	0.42
Test	Shuffle	raw	-0.02	0.66

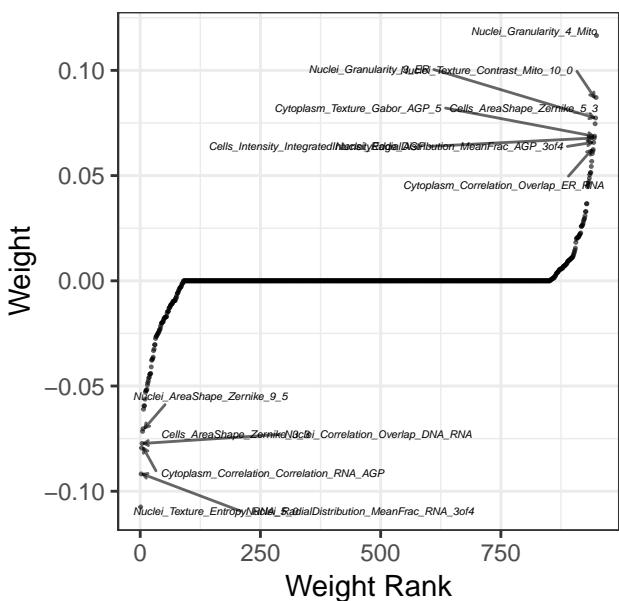


# Performance: cc\_cc\_g1

Transform: raw

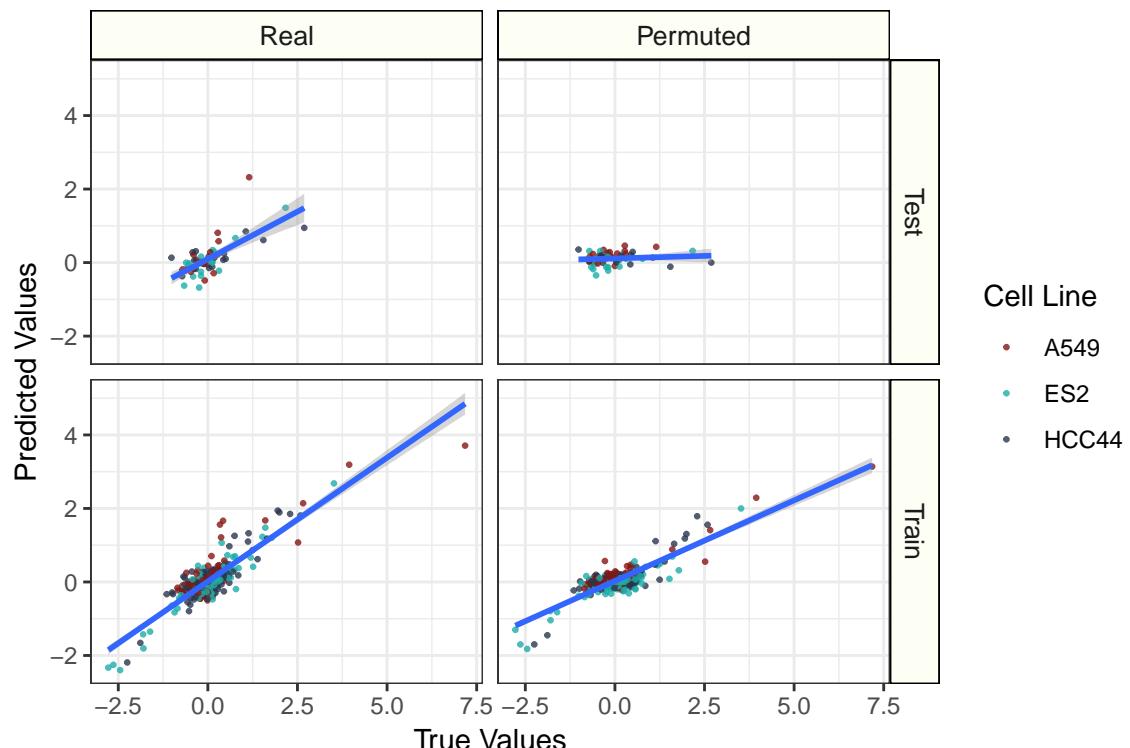


fit	shuffle	transform	r2	value
Train	Real	raw	0.78	0.17
Test	Real	raw	0.35	0.46
Train	Shuffle	raw	0.73	0.22
Test	Shuffle	raw	0.28	0.51

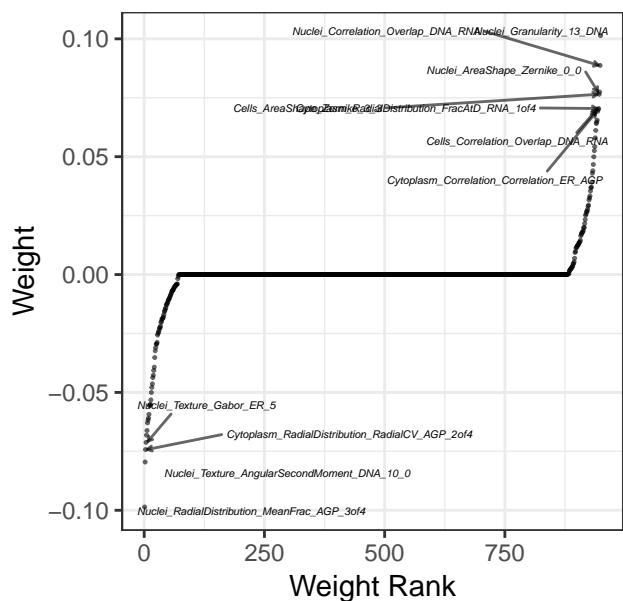


# Performance: cc\_cc\_g2

Transform: raw

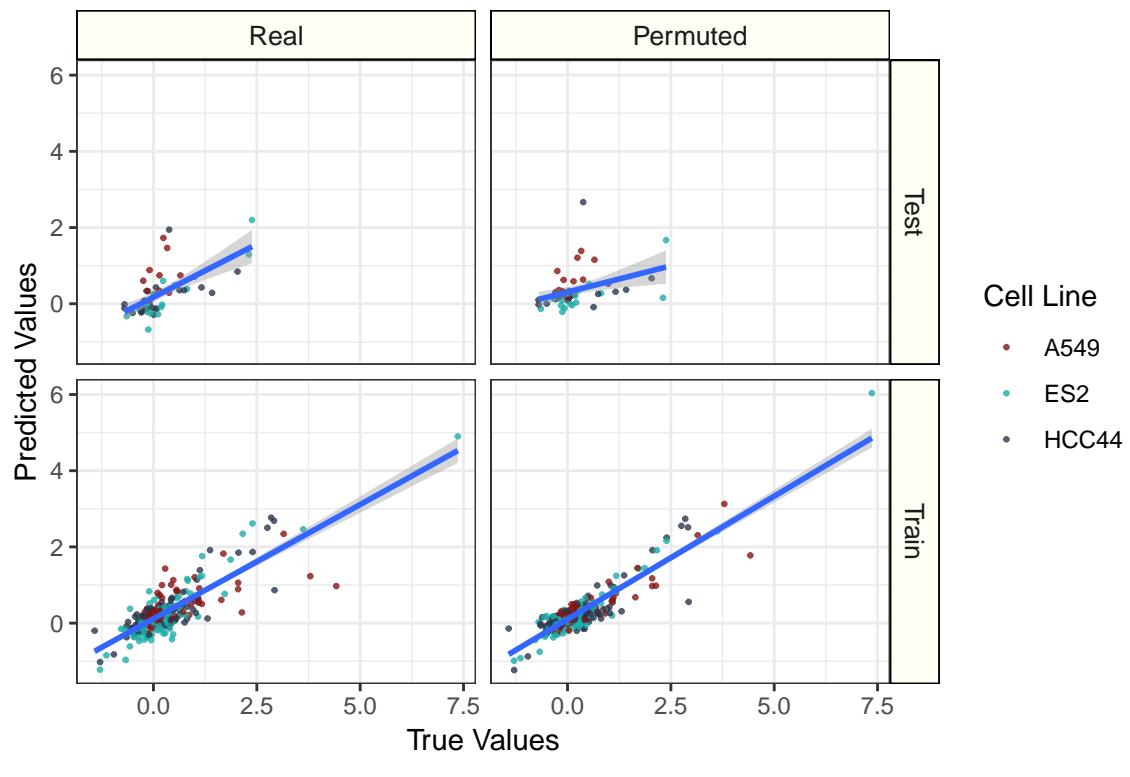


fit	shuffle	transform	r2	value
Train	Real	raw	0.76	0.17
Test	Real	raw	0.49	0.24
Train	Shuffle	raw	0.62	0.27
Test	Shuffle	raw	-0.03	0.48

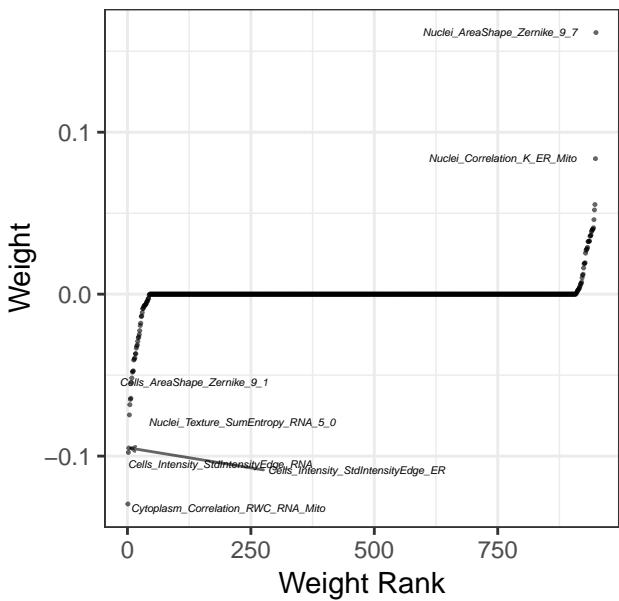


# Performance: cc\_cc\_high\_h2ax

Transform: raw

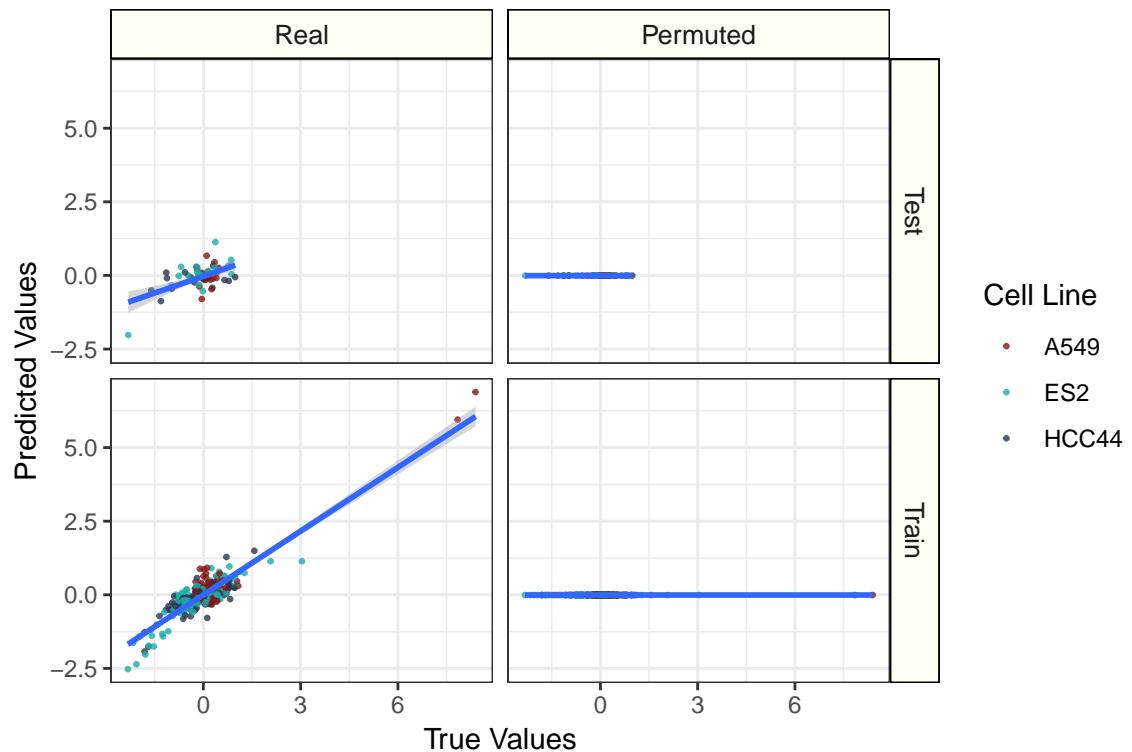


fit	shuffle	transform	r2	value
Train	Real	raw	0.68	0.24
Test	Real	raw	0.31	0.29
Train	Shuffle	raw	0.78	0.16
Test	Shuffle	raw	-0.06	0.46

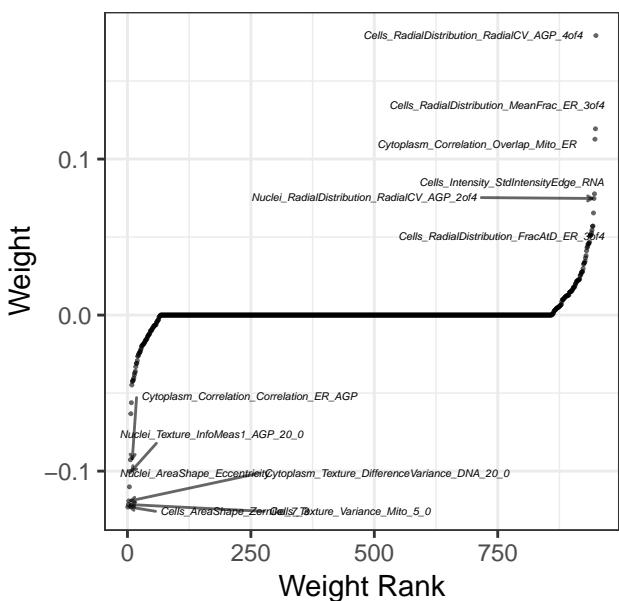


# Performance: cc\_cc\_late\_mitosis

Transform: raw

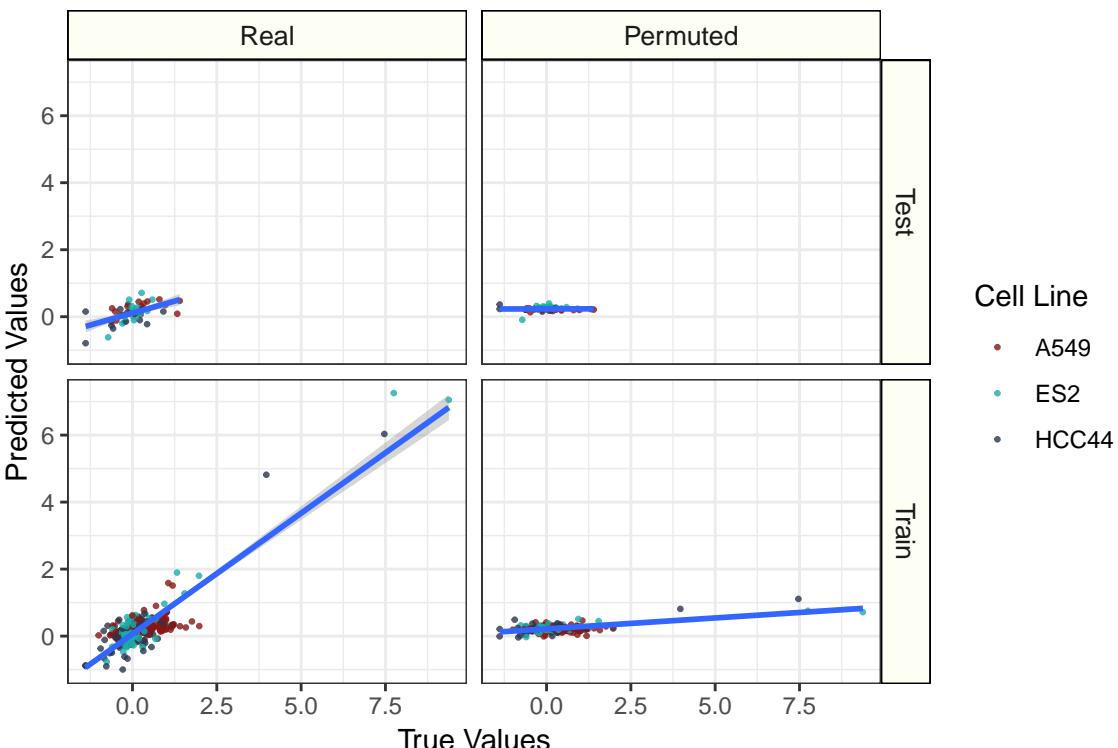


fit	shuffle	transform	r2	value
Train	Real	raw	0.81	0.17
Test	Real	raw	0.30	0.29
Train	Shuffle	raw	0.00	0.85
Test	Shuffle	raw	-0.02	0.42

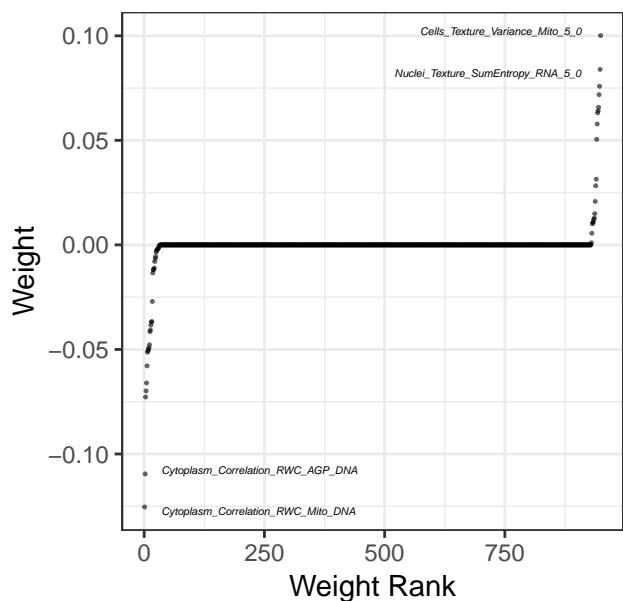


# Performance: cc\_cc\_mitosis

Transform: raw

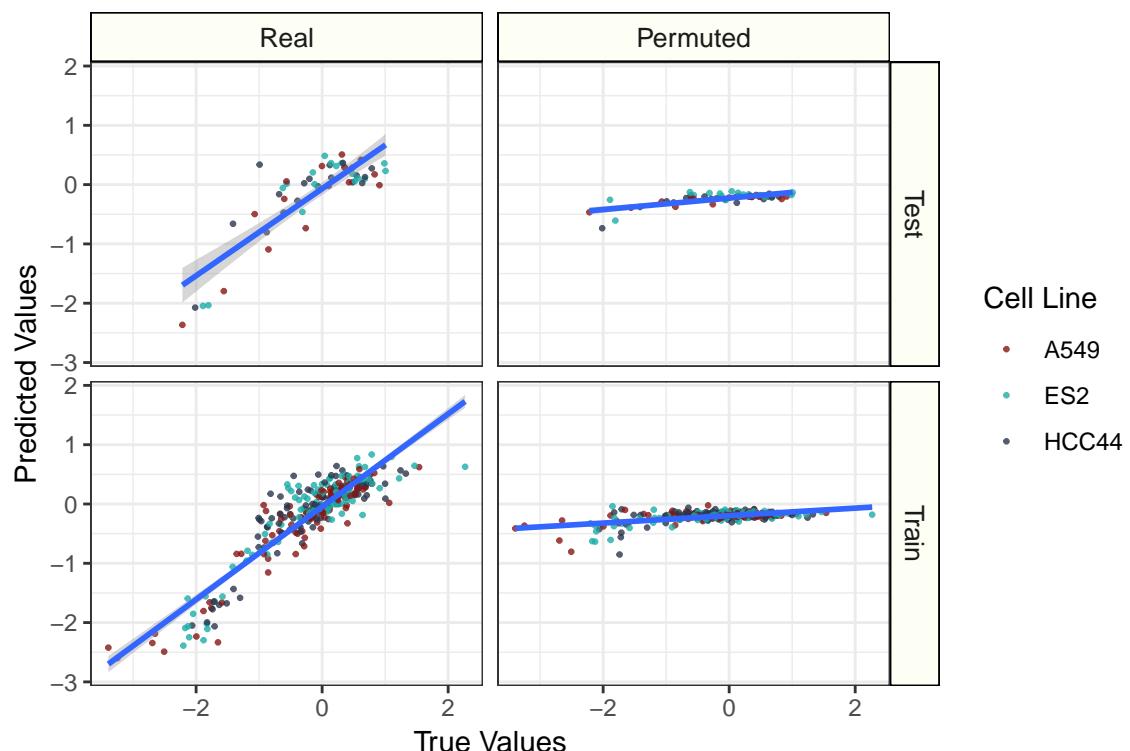


fit	shuffle	transform	r2	value
Train	Real	raw	0.79	0.20
Test	Real	raw	0.28	0.20
Train	Shuffle	raw	0.12	0.84
Test	Shuffle	raw	-0.17	0.32

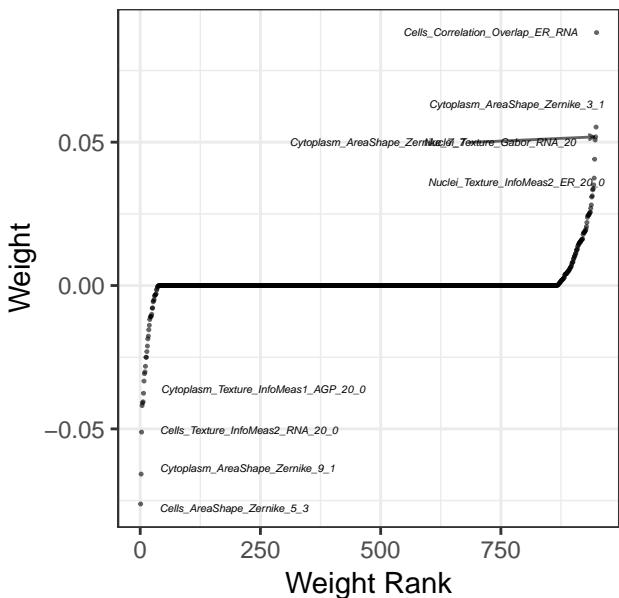


# Performance: cc\_cc\_n\_objects

Transform: raw

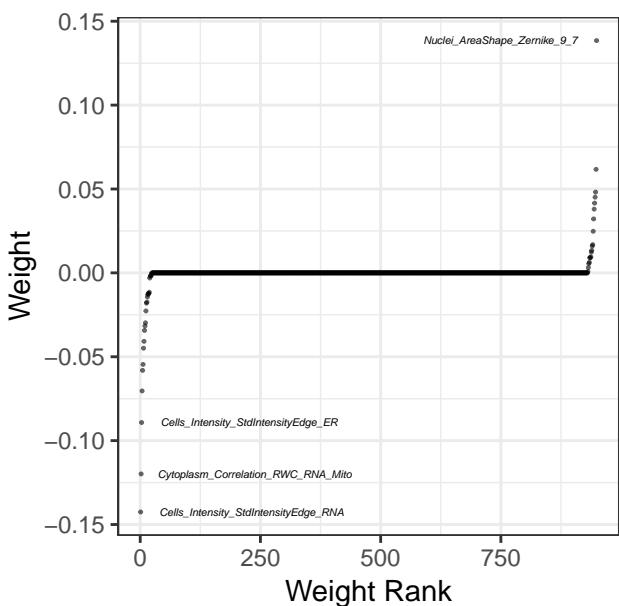
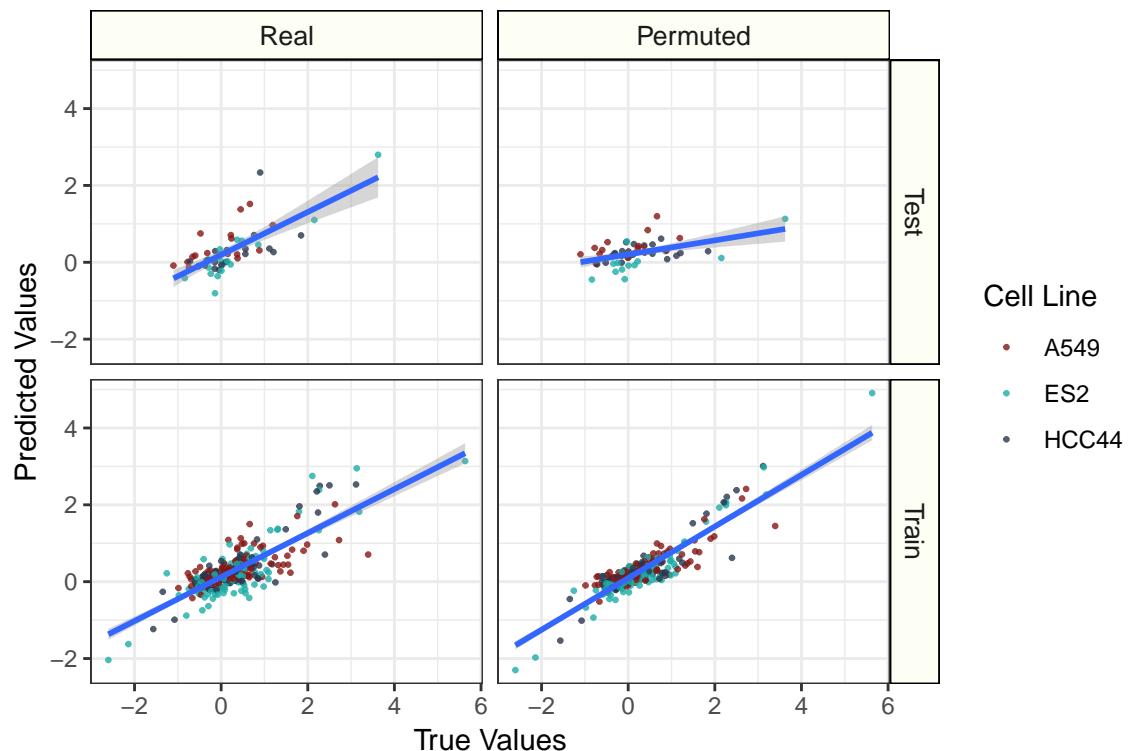


fit	shuffle	transform	r2	value
Train	Real	raw	0.82	0.12
Test	Real	raw	0.71	0.19
Train	Shuffle	raw	0.11	0.61
Test	Shuffle	raw	0.15	0.54



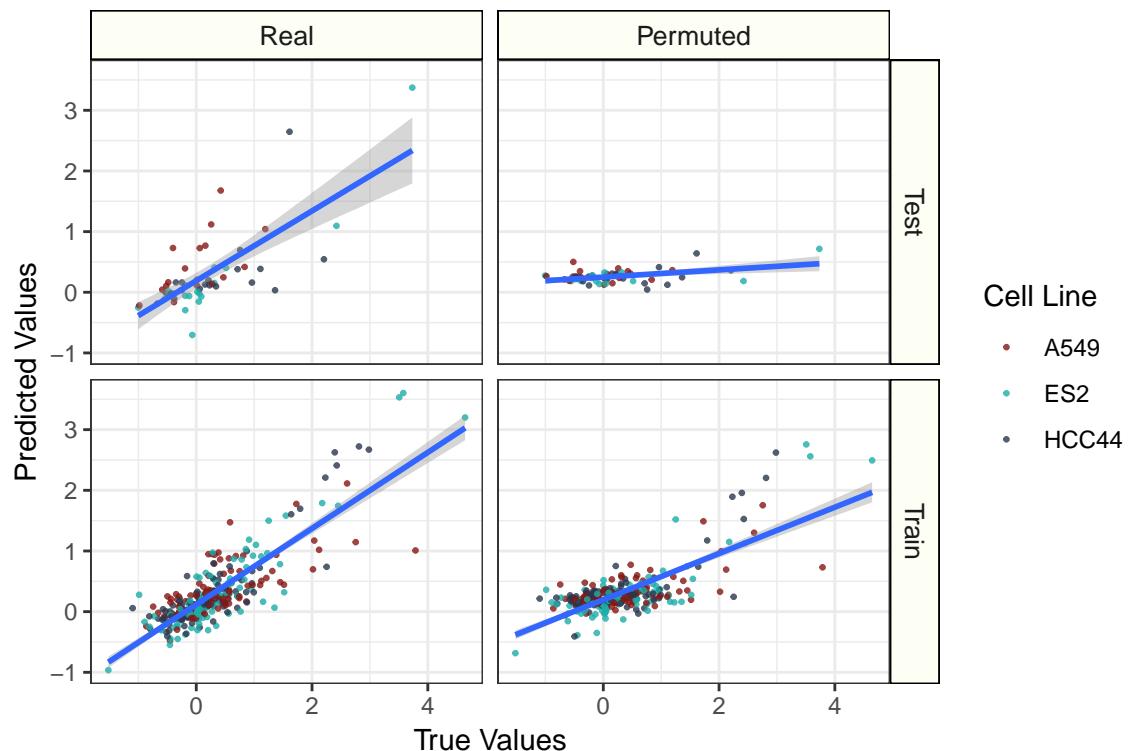
# Performance: cc\_cc\_n\_spots\_h2ax\_mean

Transform: raw

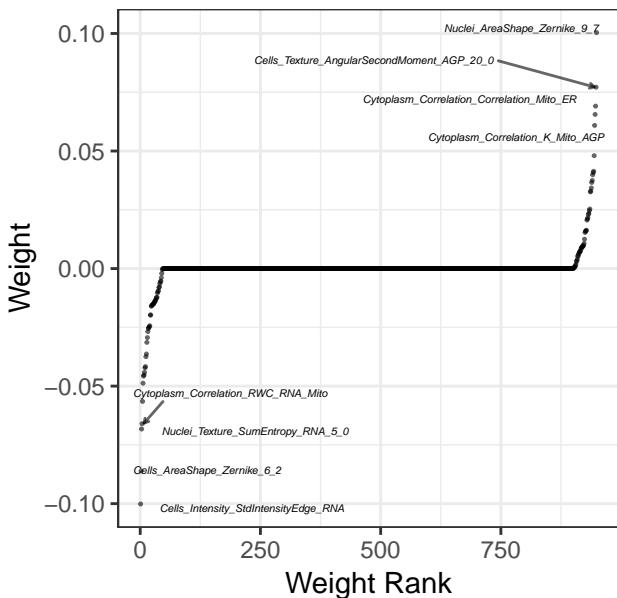


# Performance: cc\_cc\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

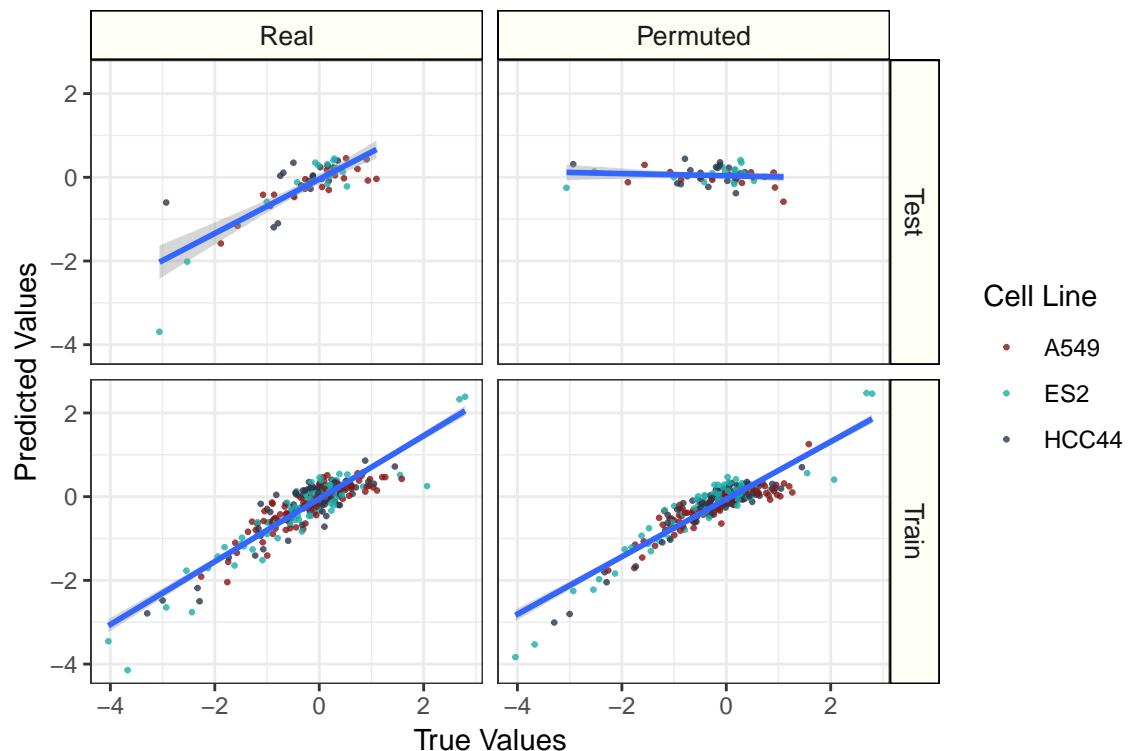


fit	shuffle	transform	r2	value
Train	Real	raw	0.70	0.20
Test	Real	raw	0.51	0.35
Train	Shuffle	raw	0.51	0.32
Test	Shuffle	raw	0.10	0.65

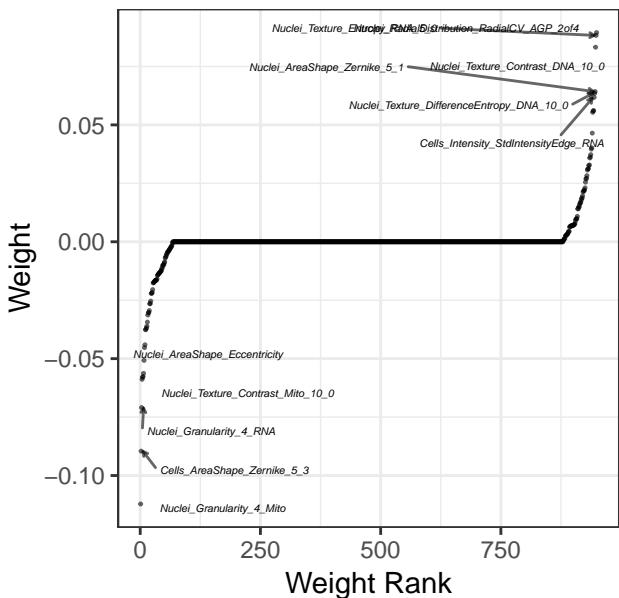


# Performance: cc\_cc\_s

Transform: raw

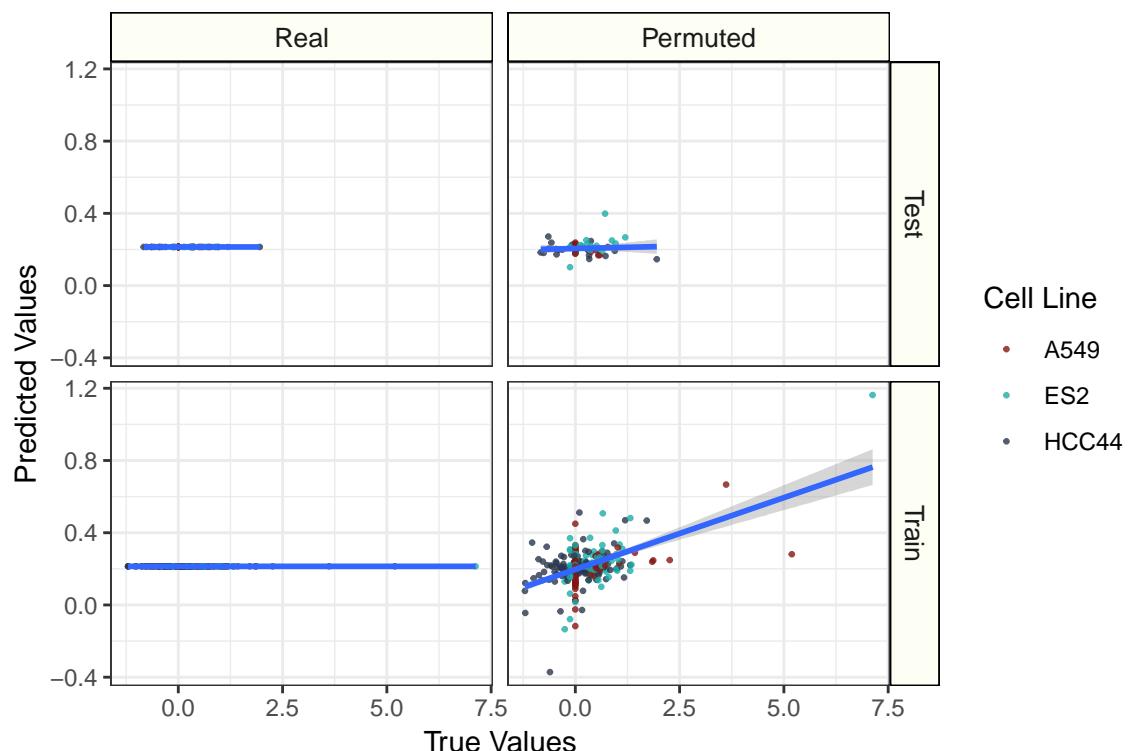


fit	shuffle	transform	r2	value
Train	Real	raw	0.81	0.13
Test	Real	raw	0.64	0.27
Train	Shuffle	raw	0.81	0.13
Test	Shuffle	raw	-0.22	0.90

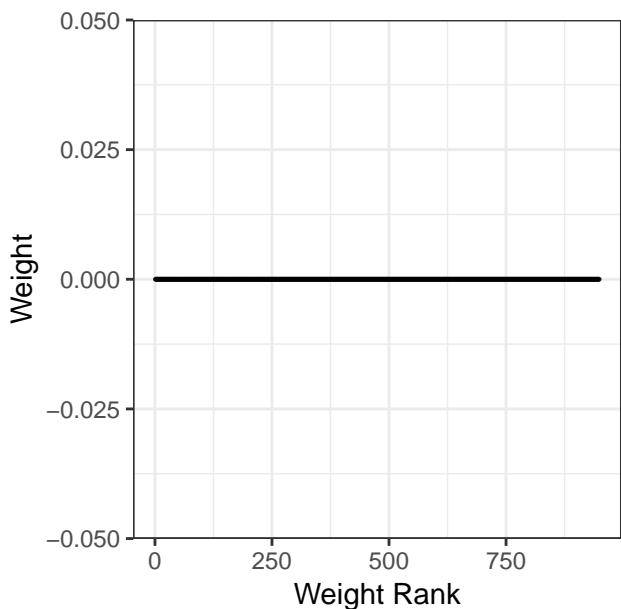


# Performance: cc\_early\_mitosis\_high\_h2ax

Transform: raw

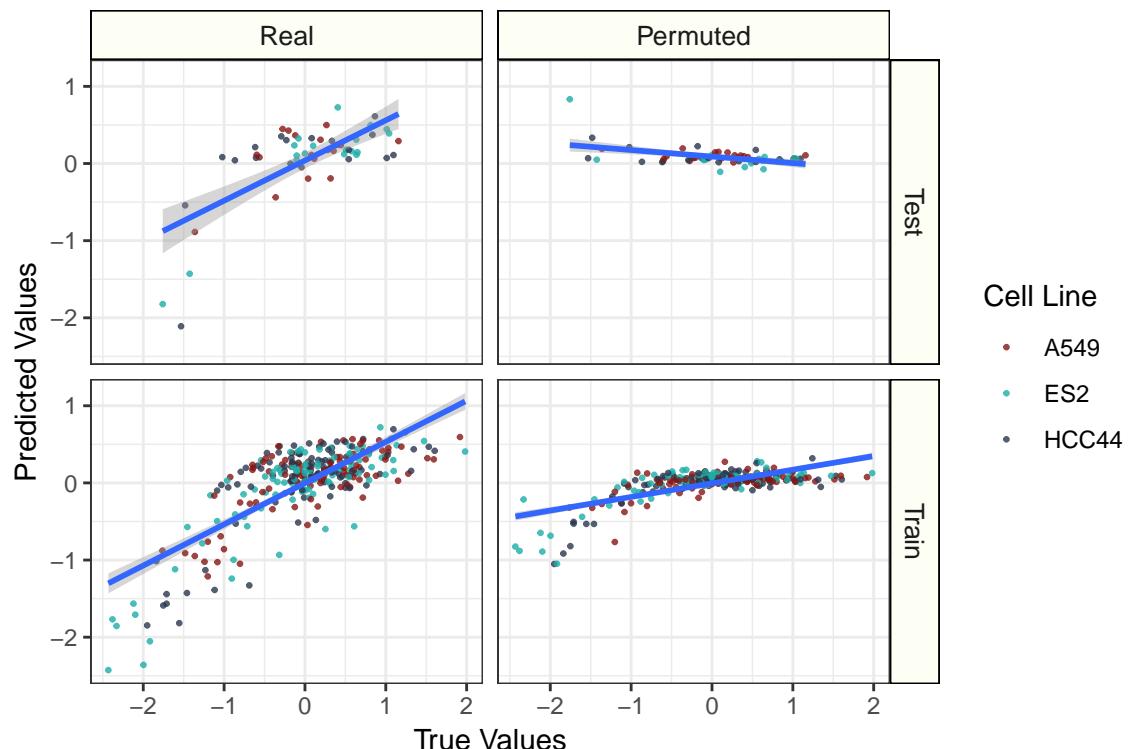


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.52
Test	Real	raw	0.00	0.27
Train	Shuffle	raw	0.14	0.45
Test	Shuffle	raw	0.00	0.27

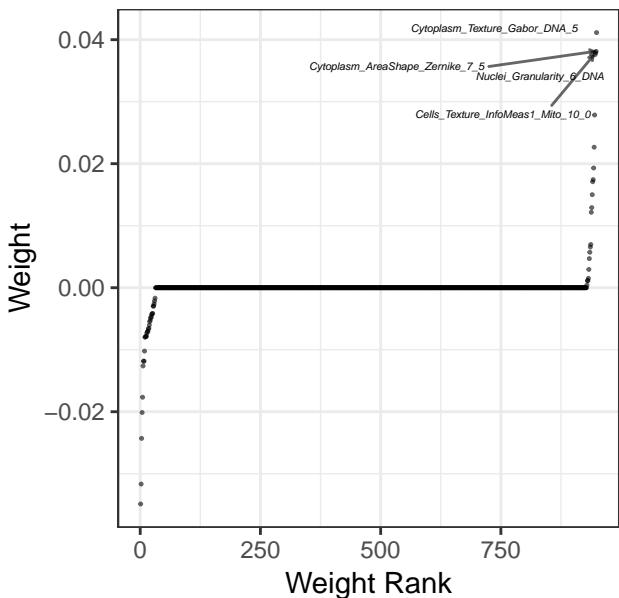


# Performance: cc\_early\_mitosis\_n\_objects

Transform: raw

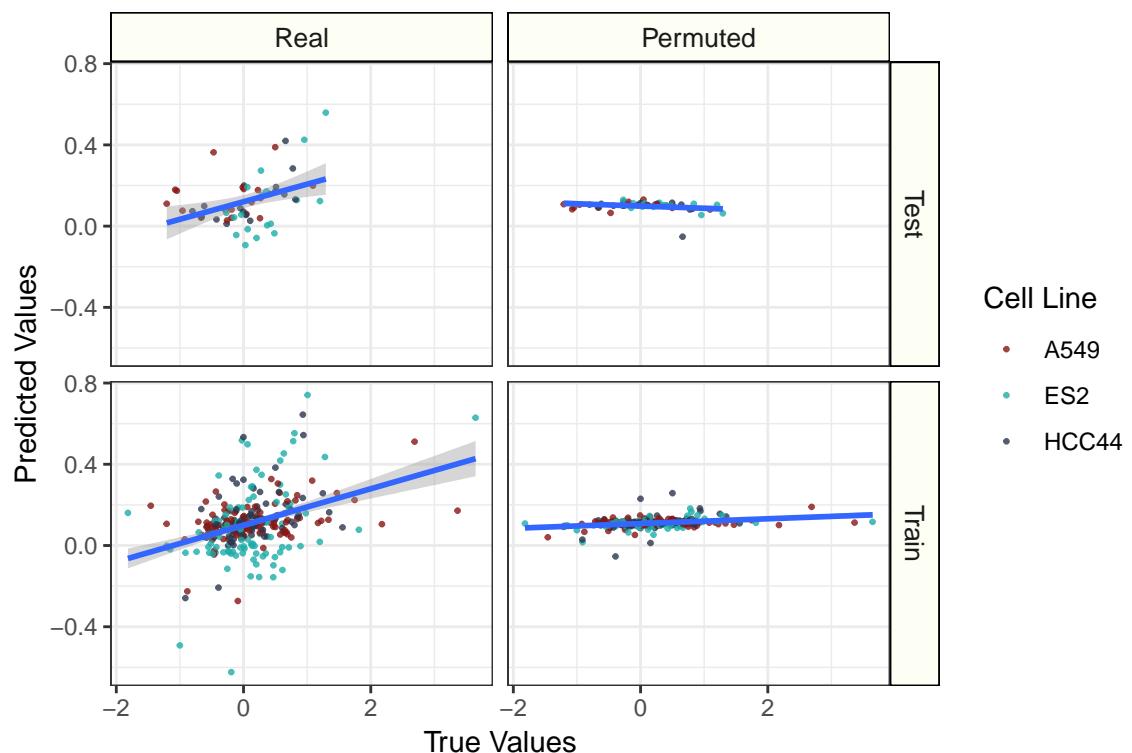


fit	shuffle	transform	r2	value
Train	Real	raw	0.58	0.25
Test	Real	raw	0.49	0.25
Train	Shuffle	raw	0.29	0.42
Test	Shuffle	raw	-0.21	0.60

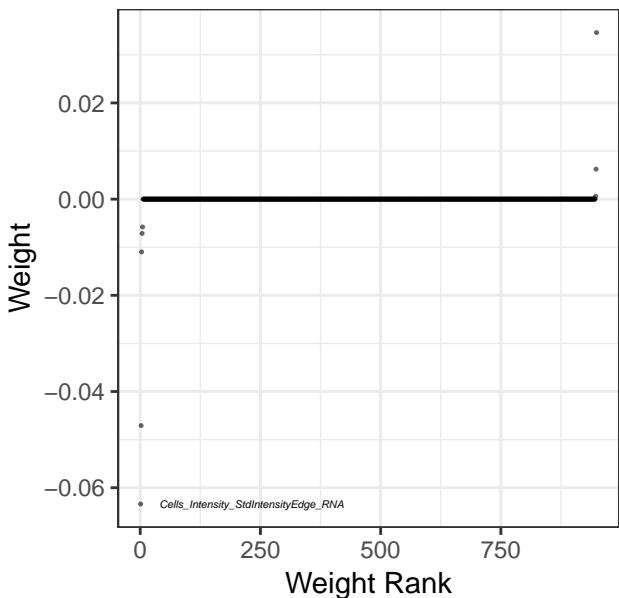


# Performance: cc\_early\_mitosis\_n\_spots\_h2ax\_mean

Transform: raw

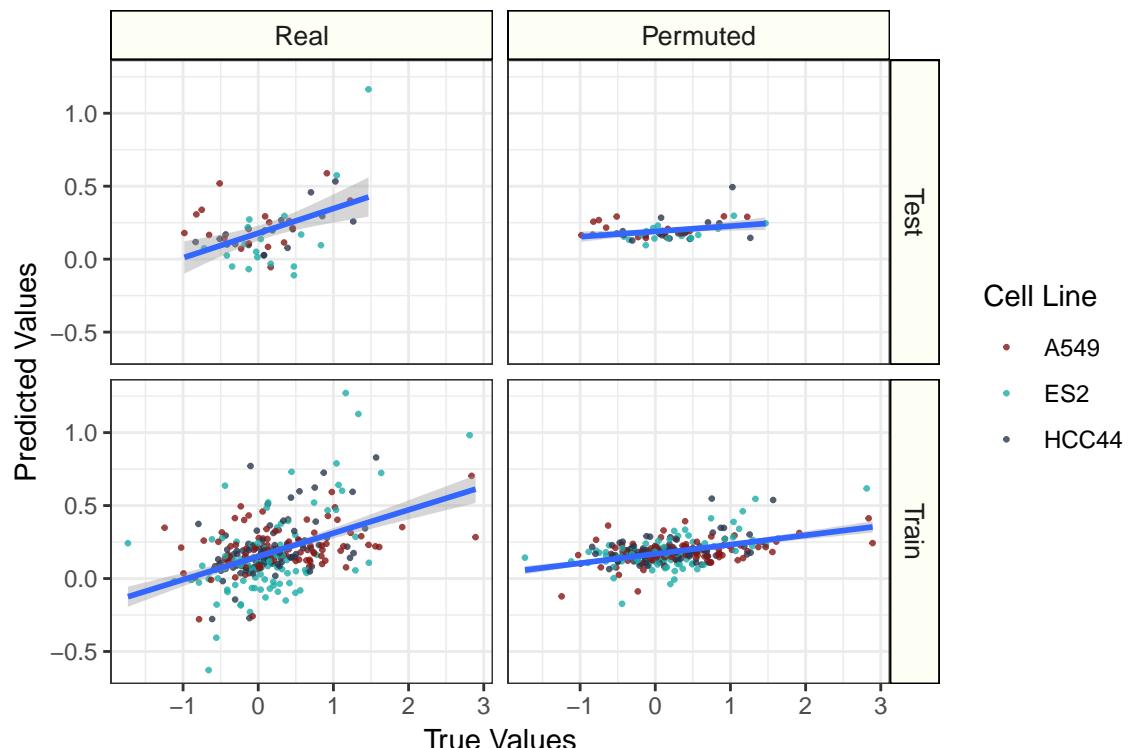


fit	shuffle	transform	r2	value
Train	Real	raw	0.13	0.34
Test	Real	raw	0.11	0.28
Train	Shuffle	raw	0.02	0.38
Test	Shuffle	raw	-0.03	0.32

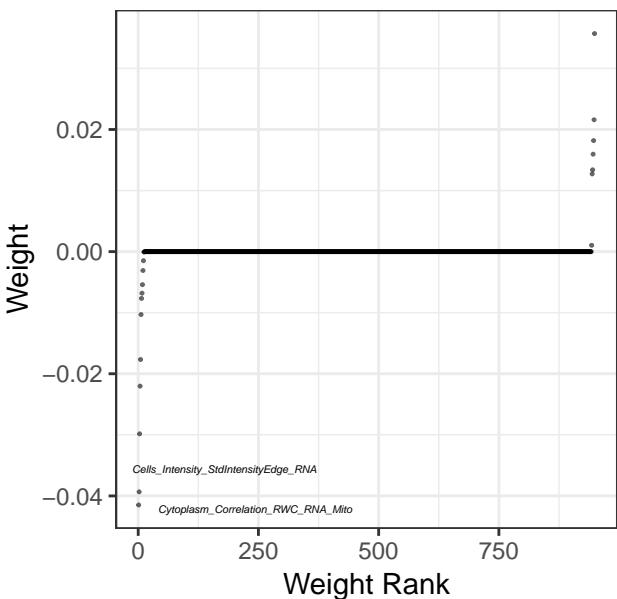


# Performance: cc\_early\_mitosis\_n\_spots\_h2ax\_per\_nucleus\_are

Transform: raw

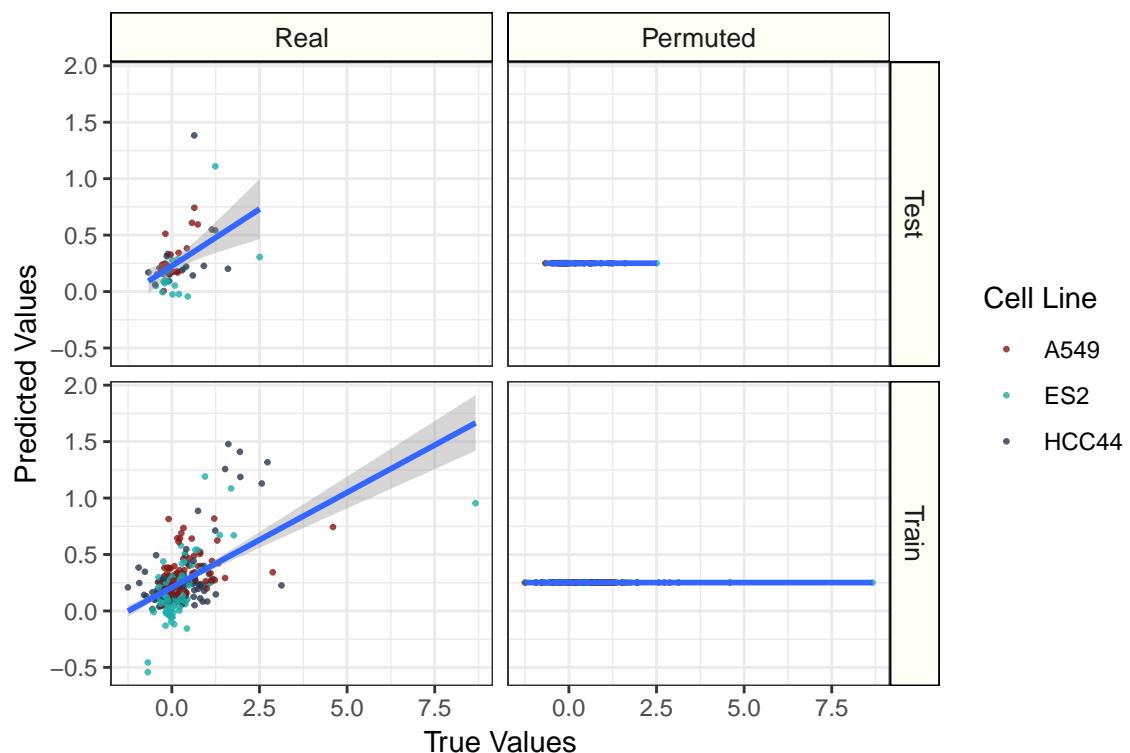


fit	shuffle	transform	r2	value
Train	Real	raw	0.20	0.30
Test	Real	raw	0.17	0.26
Train	Shuffle	raw	0.11	0.34
Test	Shuffle	raw	0.03	0.31

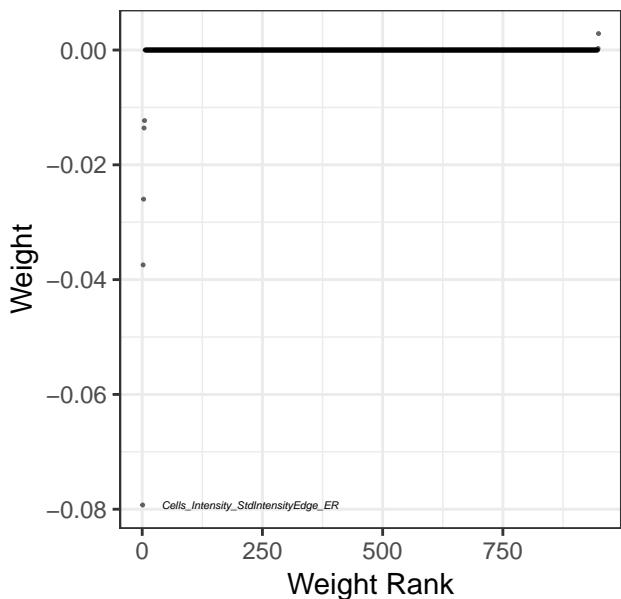


# Performance: cc\_g1\_high\_h2ax

Transform: raw

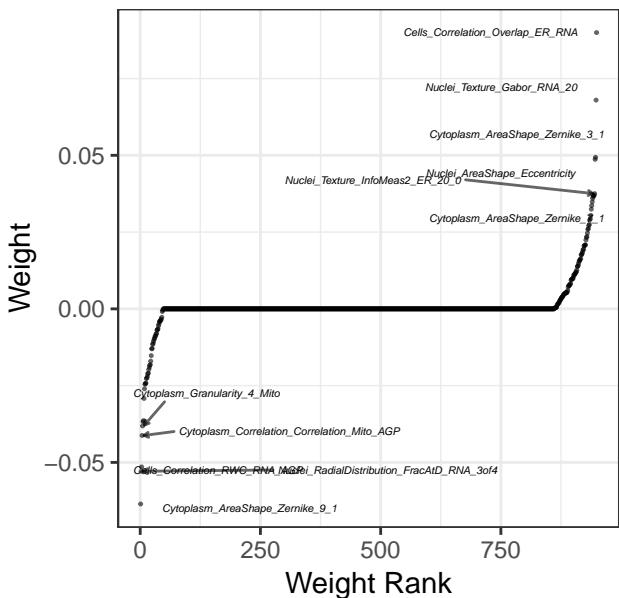
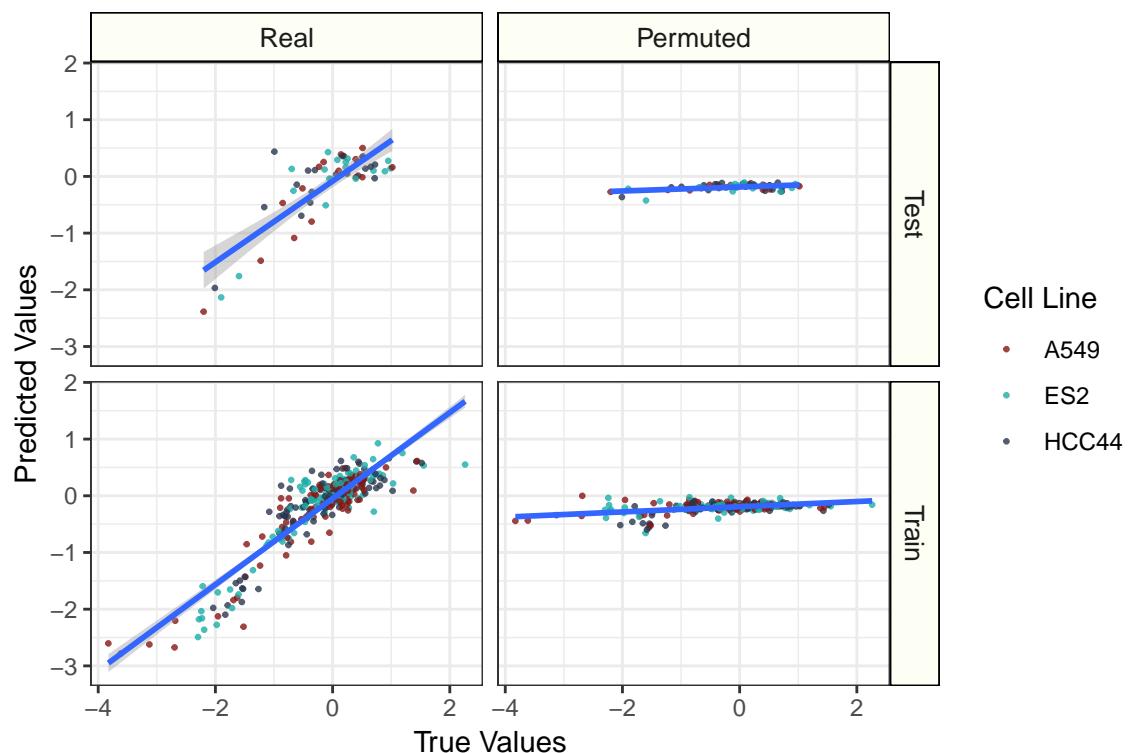


fit	shuffle	transform	r2	value
Train	Real	raw	0.24	0.48
Test	Real	raw	0.17	0.27
Train	Shuffle	raw	0.00	0.64
Test	Shuffle	raw	-0.03	0.34



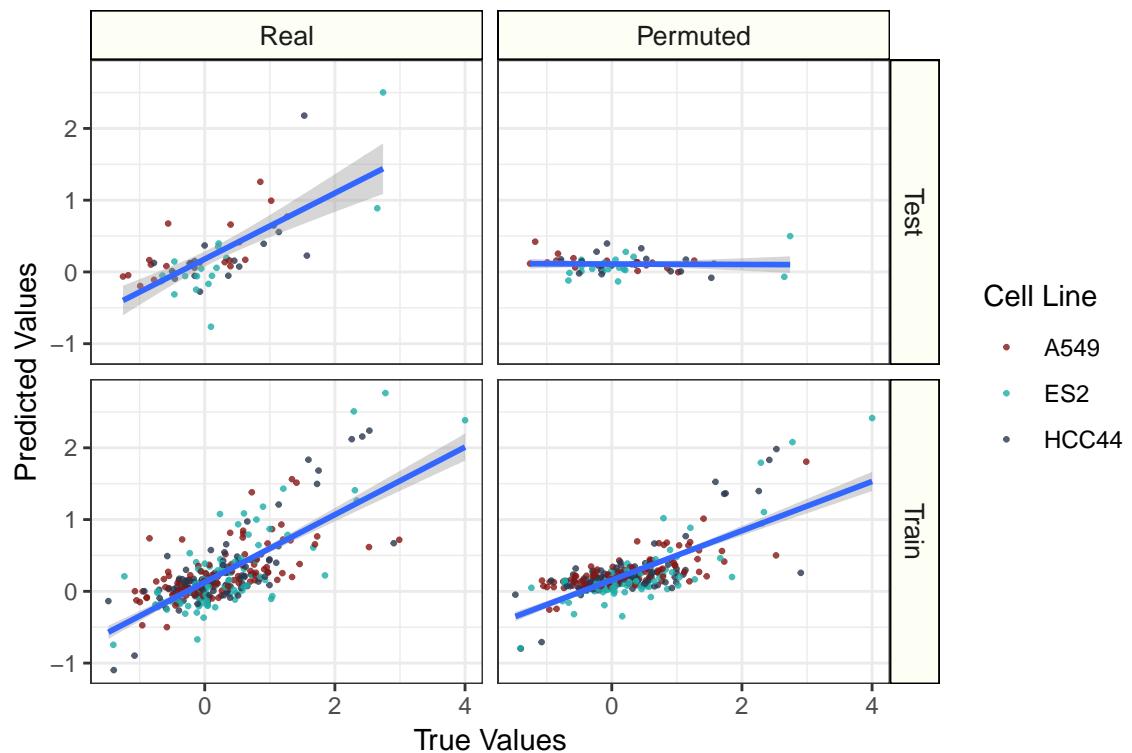
# Performance: cc\_g1\_n\_objects

Transform: raw

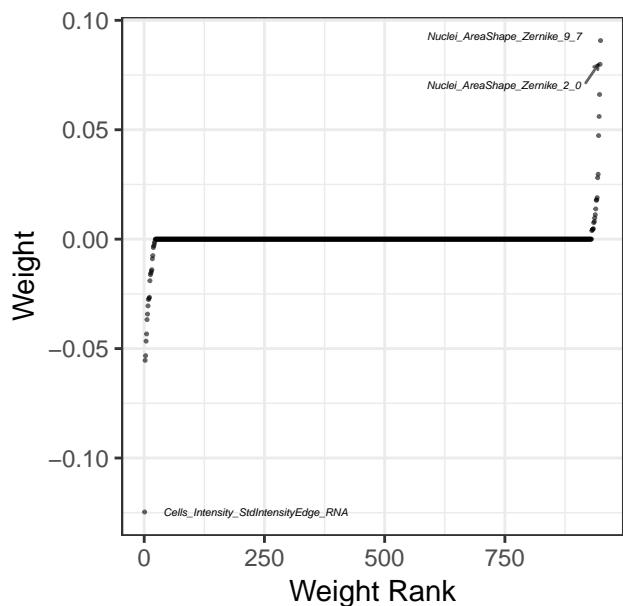


# Performance: cc\_g1\_n\_spots\_h2ax\_mean

Transform: raw

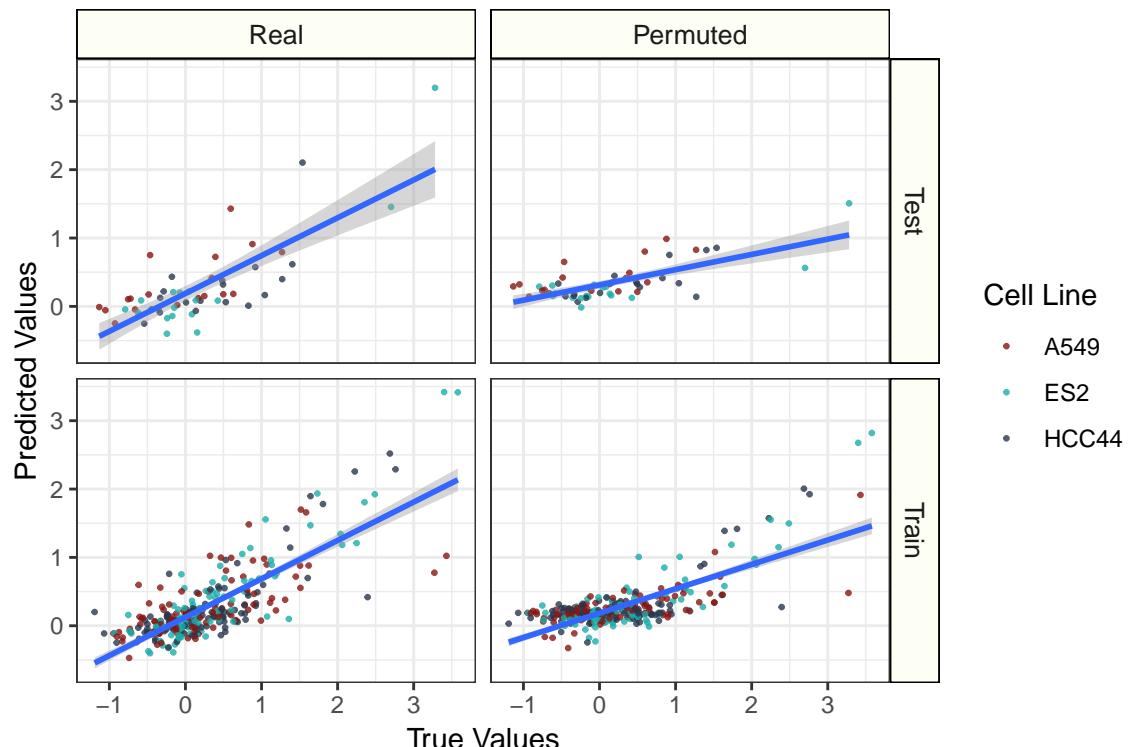


fit	shuffle	transform	r2	value
Train	Real	raw	0.54	0.28
Test	Real	raw	0.48	0.36
Train	Shuffle	raw	0.47	0.31
Test	Shuffle	raw	-0.03	0.70

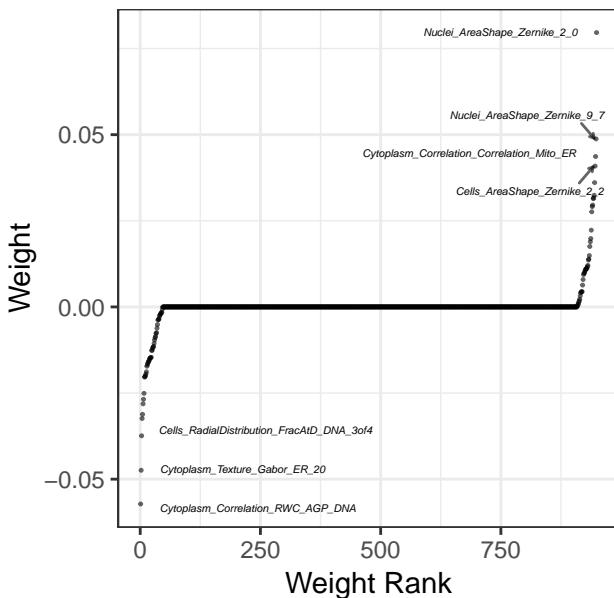


# Performance: cc\_g1\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

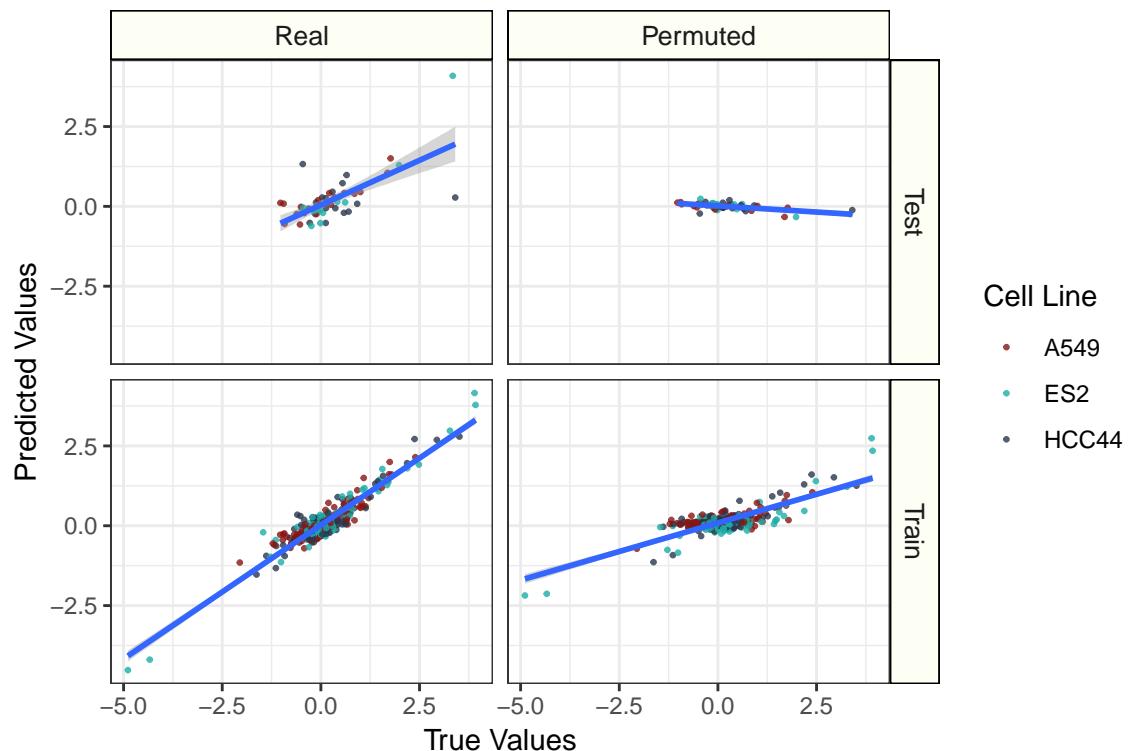


fit	shuffle	transform	r2	value
Train	Real	raw	0.62	0.22
Test	Real	raw	0.57	0.30
Train	Shuffle	raw	0.49	0.30
Test	Shuffle	raw	0.29	0.50

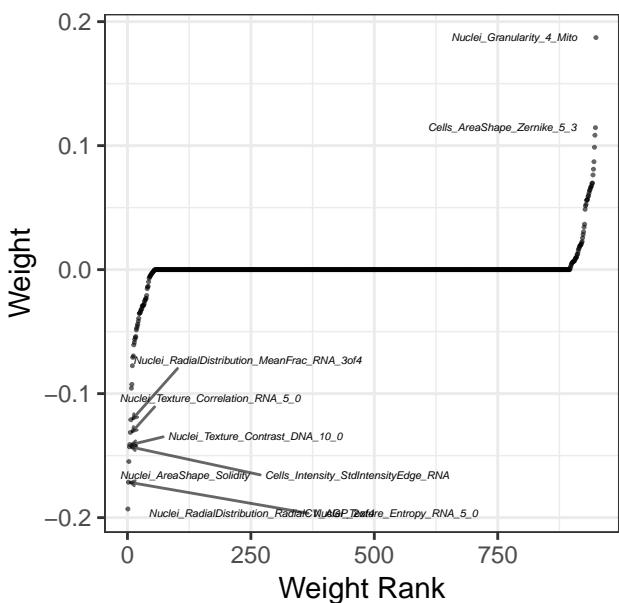


# Performance: cc\_g1\_plus\_g2\_count

Transform: raw

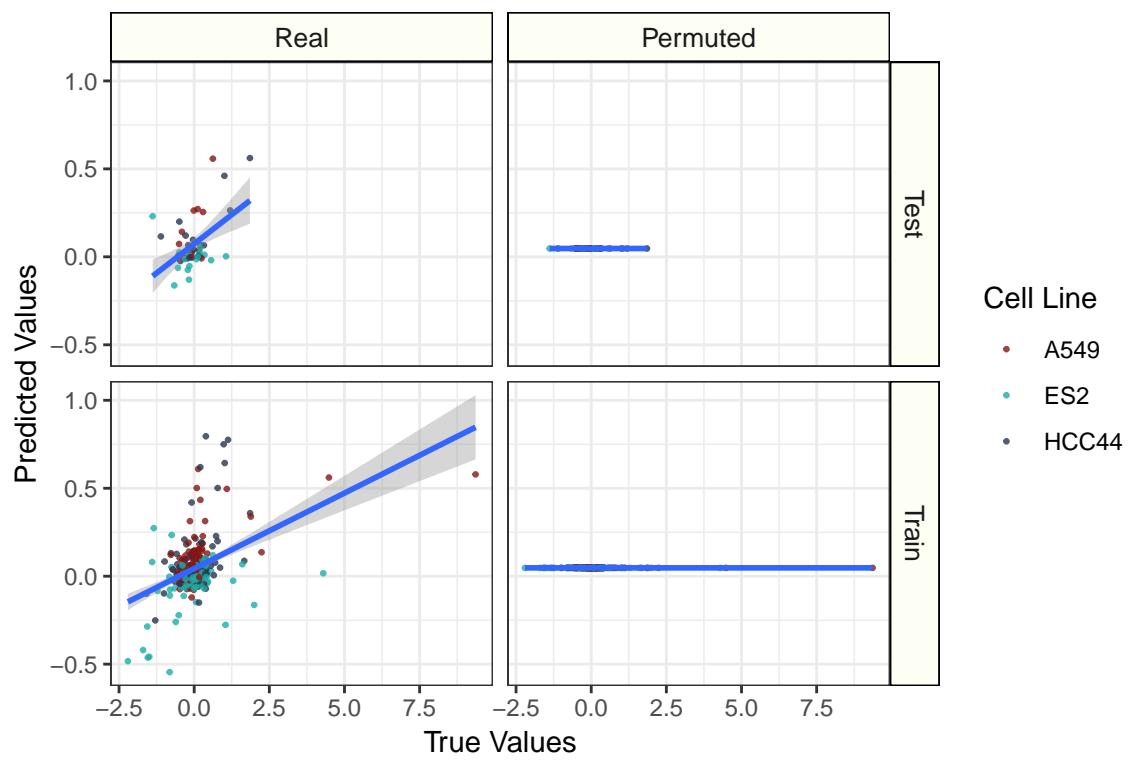


fit	shuffle	transform	r2	value
Train	Real	raw	0.89	0.09
Test	Real	raw	0.45	0.42
Train	Shuffle	raw	0.52	0.38
Test	Shuffle	raw	-0.25	0.94

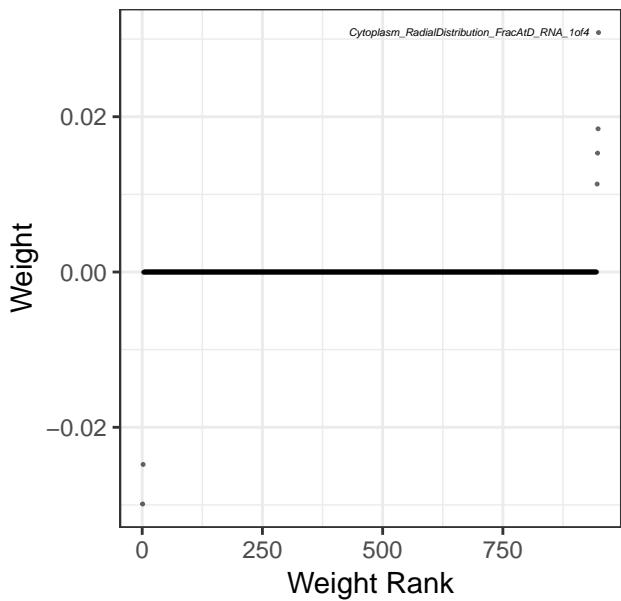


# Performance: cc\_g2\_g1\_count

Transform: raw

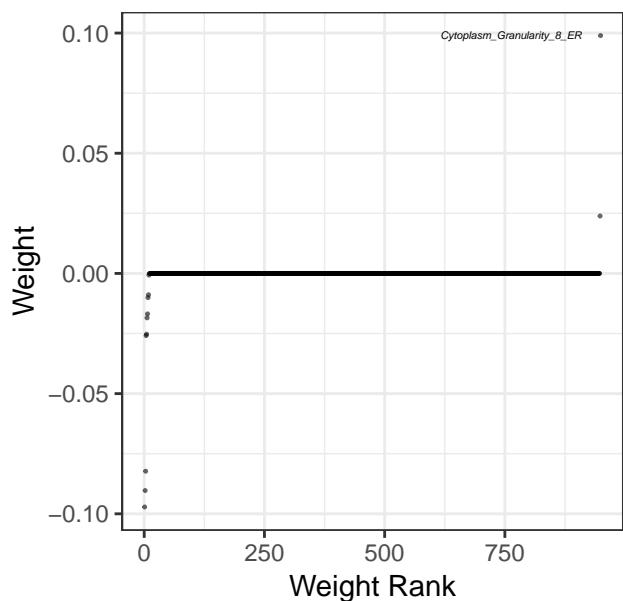
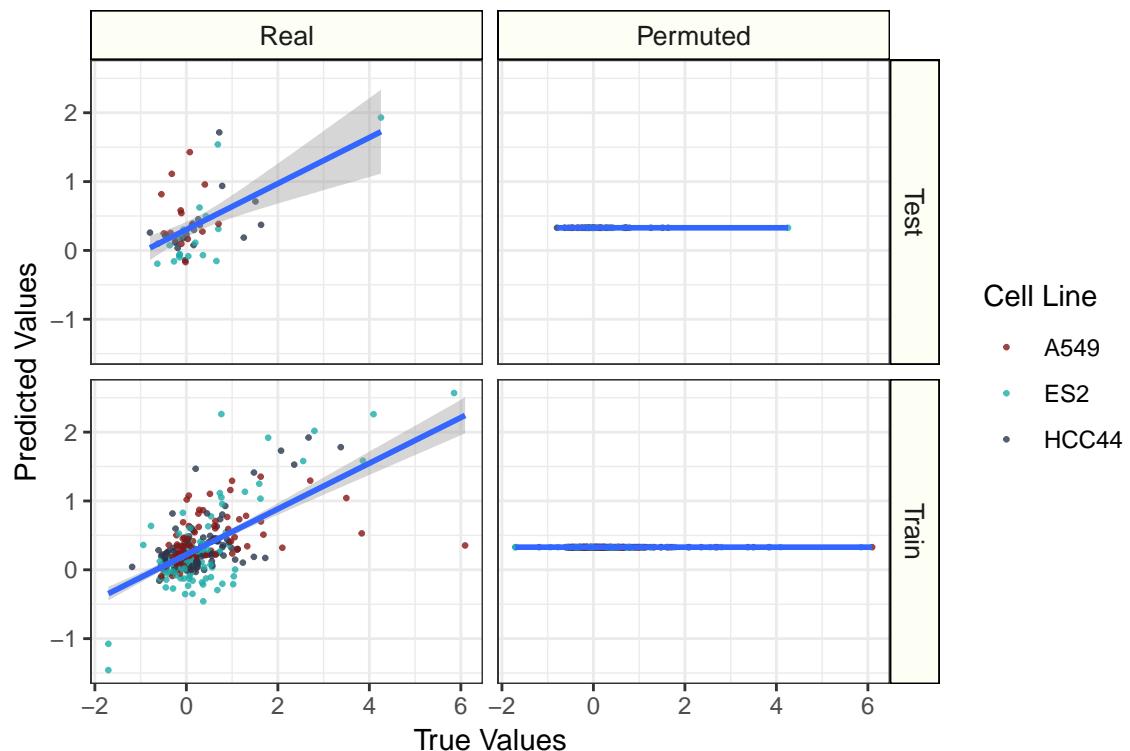


fit	shuffle	transform	r2	value
Train	Real	raw	0.13	0.59
Test	Real	raw	0.14	0.23
Train	Shuffle	raw	0.00	0.69
Test	Shuffle	raw	-0.03	0.28



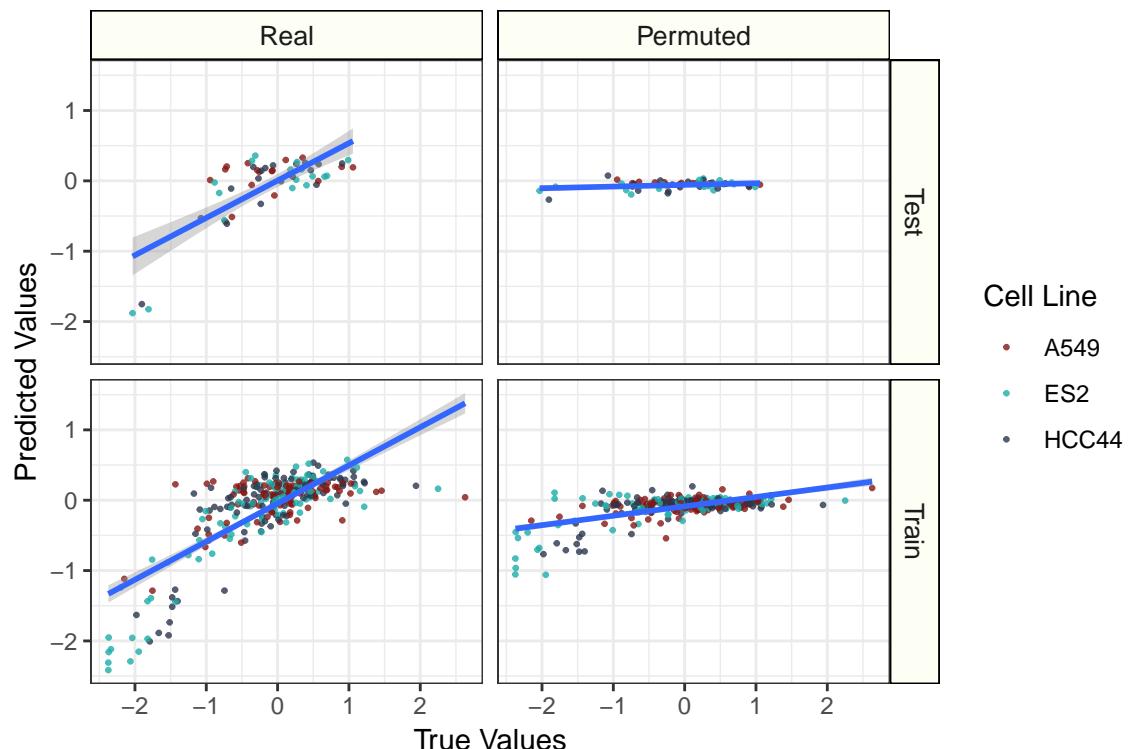
# Performance: cc\_g2\_high\_h2ax

Transform: raw

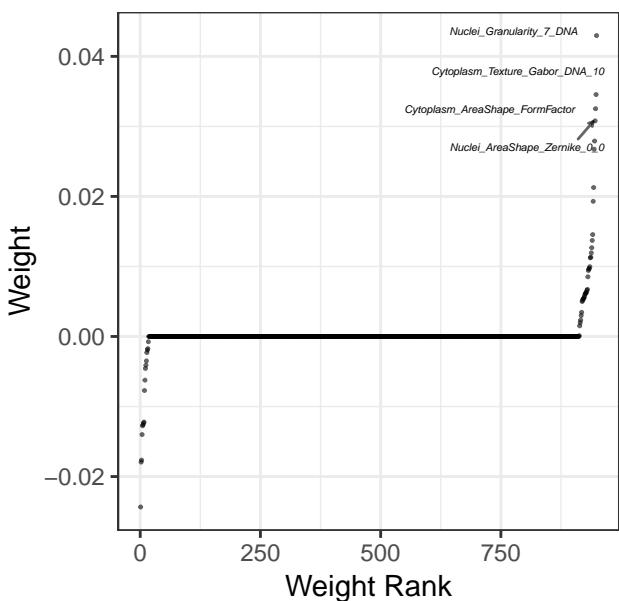


# Performance: cc\_g2\_n\_objects

Transform: raw

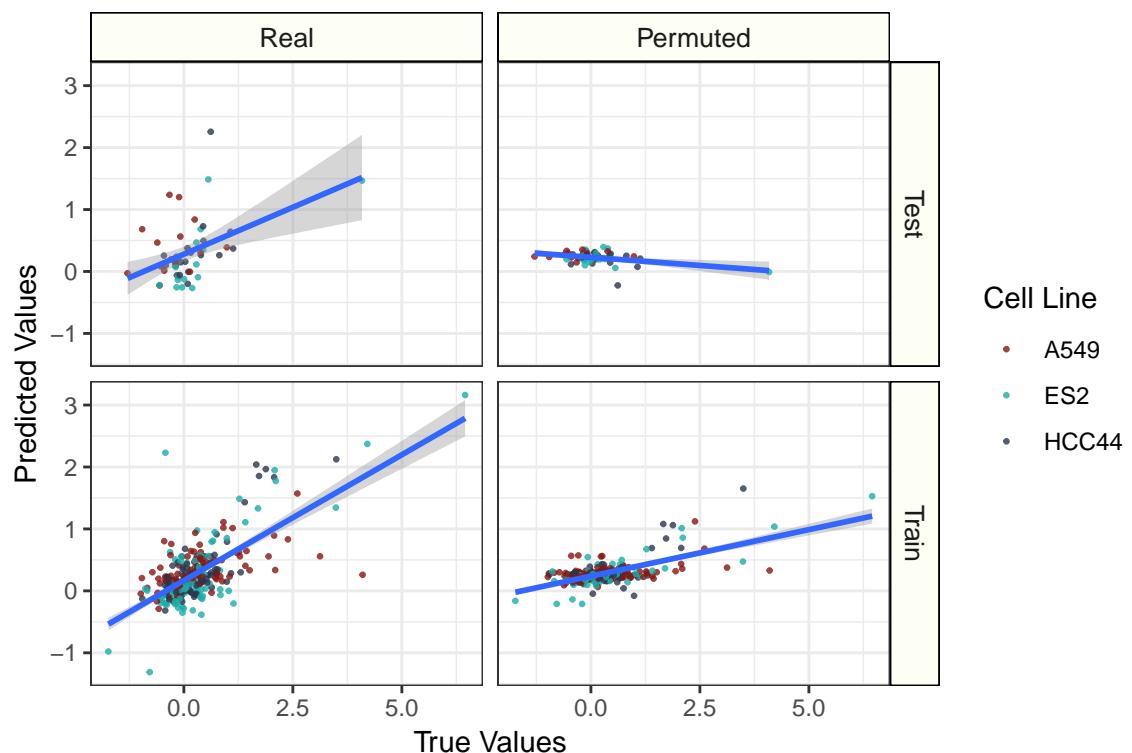


fit	shuffle	transform	r2	value
Train	Real	raw	0.59	0.26
Test	Real	raw	0.55	0.21
Train	Shuffle	raw	0.22	0.49
Test	Shuffle	raw	0.03	0.45

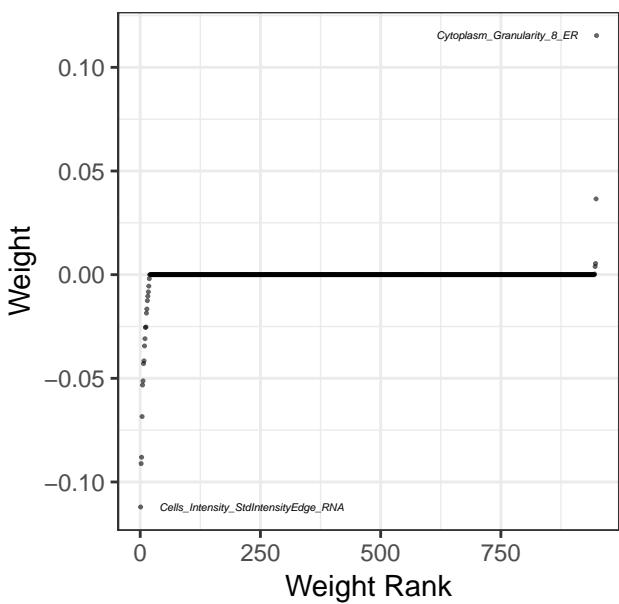


# Performance: cc\_g2\_n\_spots\_h2ax\_mean

Transform: raw

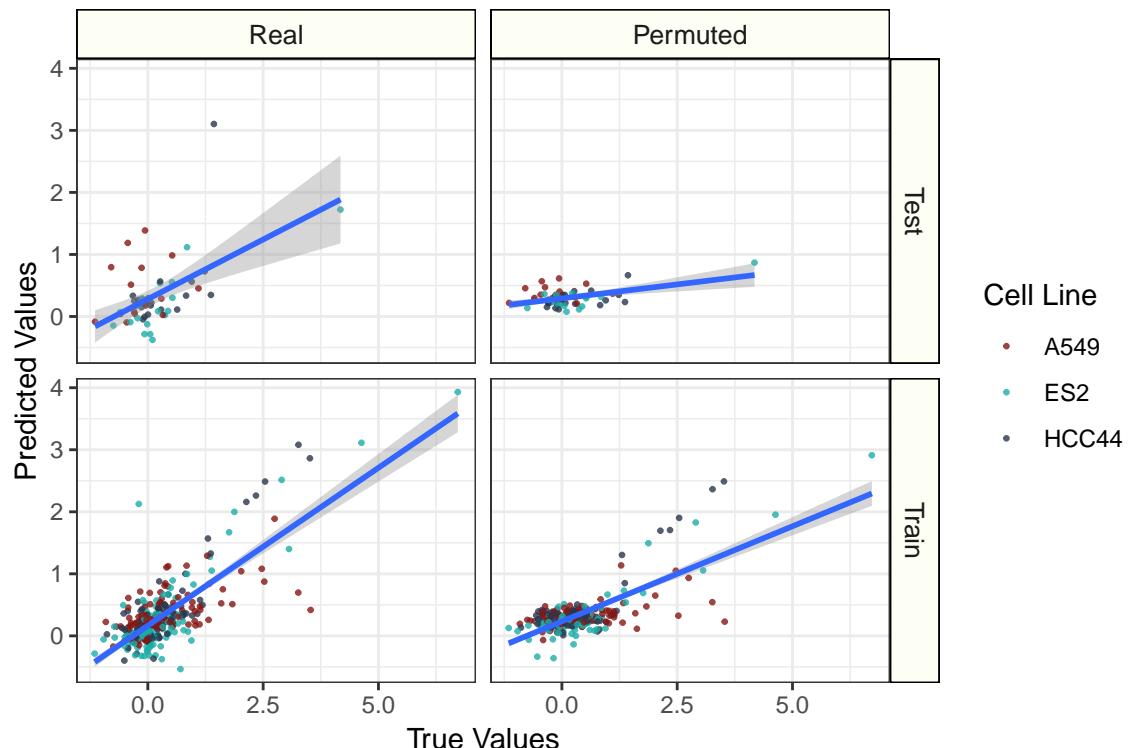


fit	shuffle	transform	r2	value
Train	Real	raw	0.48	0.36
Test	Real	raw	0.05	0.48
Train	Shuffle	raw	0.25	0.52
Test	Shuffle	raw	-0.16	0.59

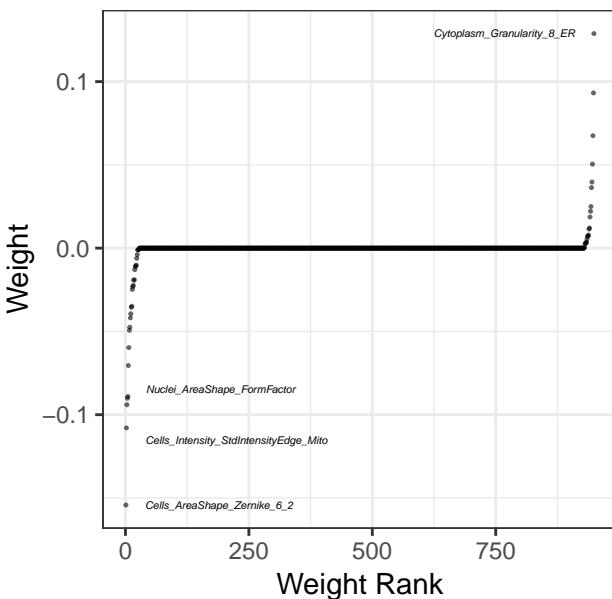


# Performance: cc\_g2\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

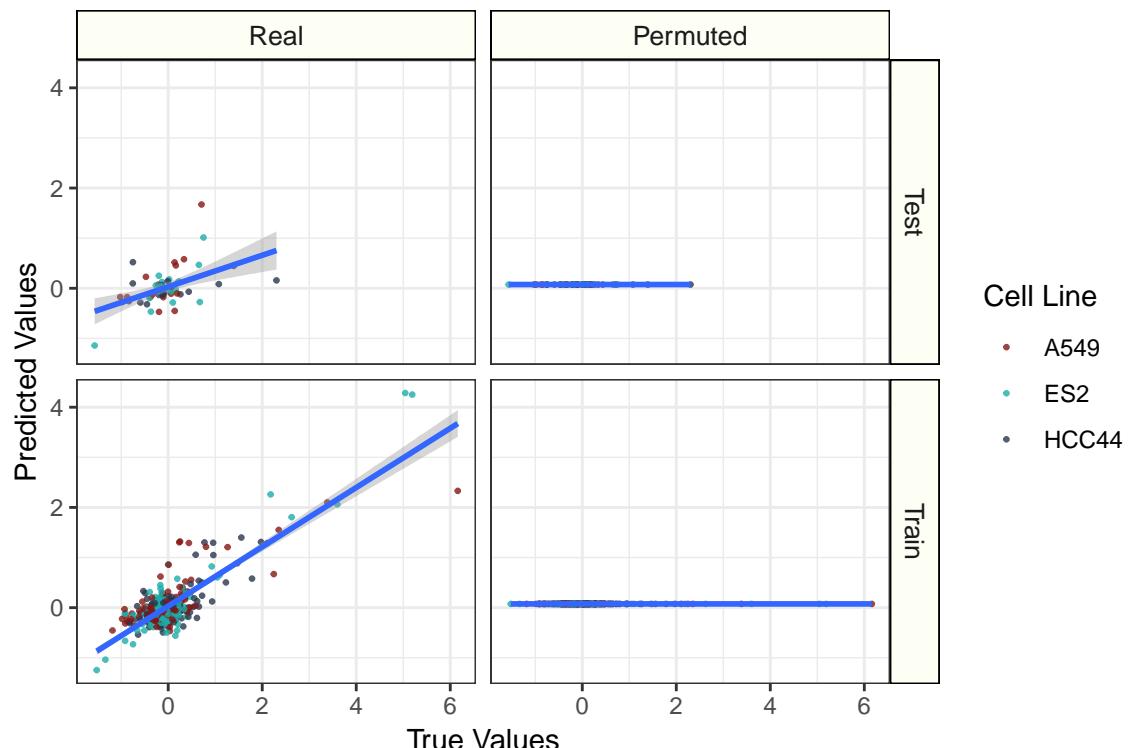


fit	shuffle	transform	r2	value
Train	Real	raw	0.59	0.30
Test	Real	raw	0.18	0.48
Train	Shuffle	raw	0.44	0.41
Test	Shuffle	raw	0.11	0.52

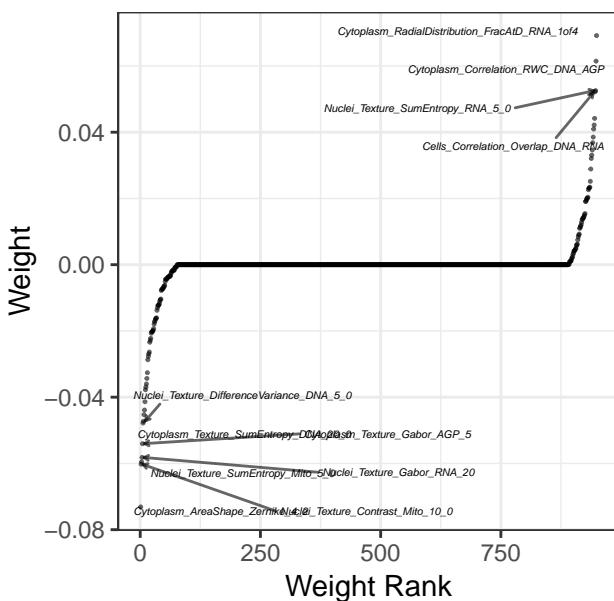


# Performance: cc\_g2\_plus\_all\_m\_count

Transform: raw

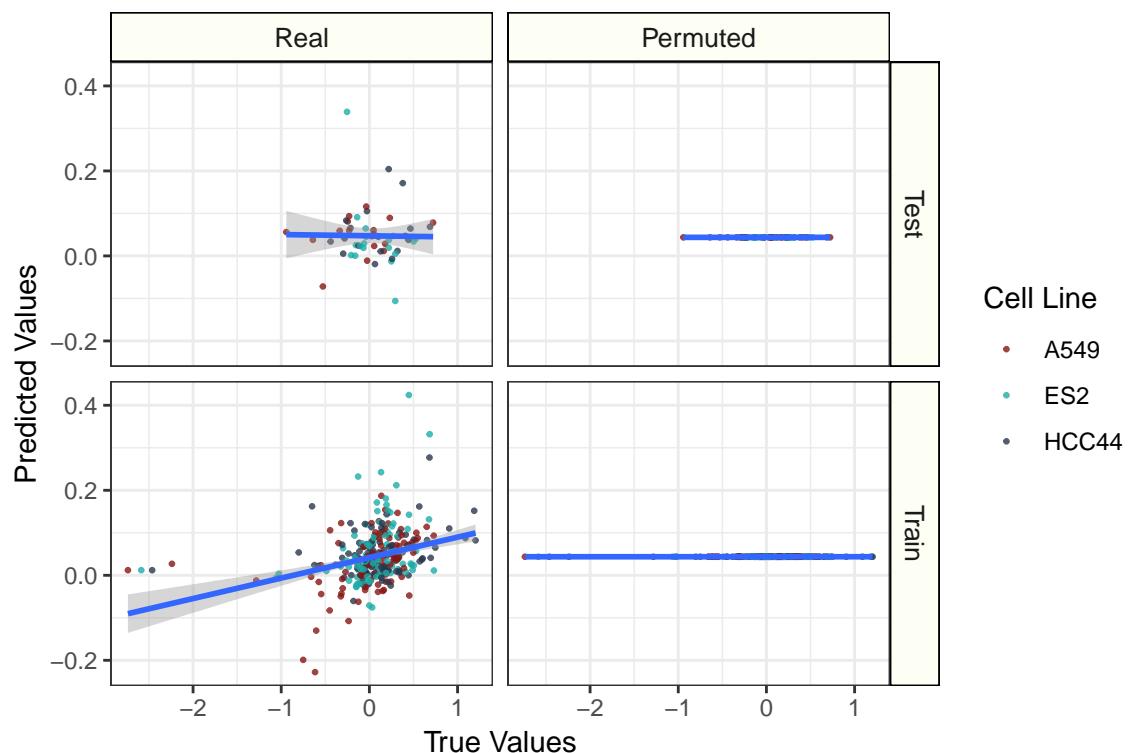


fit	shuffle	transform	r2	value
Train	Real	raw	0.68	0.21
Test	Real	raw	0.20	0.29
Train	Shuffle	raw	0.00	0.67
Test	Shuffle	raw	-0.03	0.38

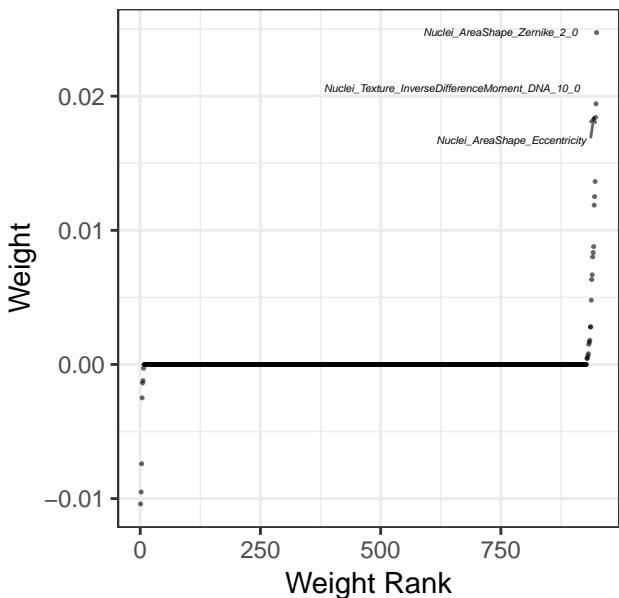


# Performance: cc\_infection\_percentage

Transform: raw

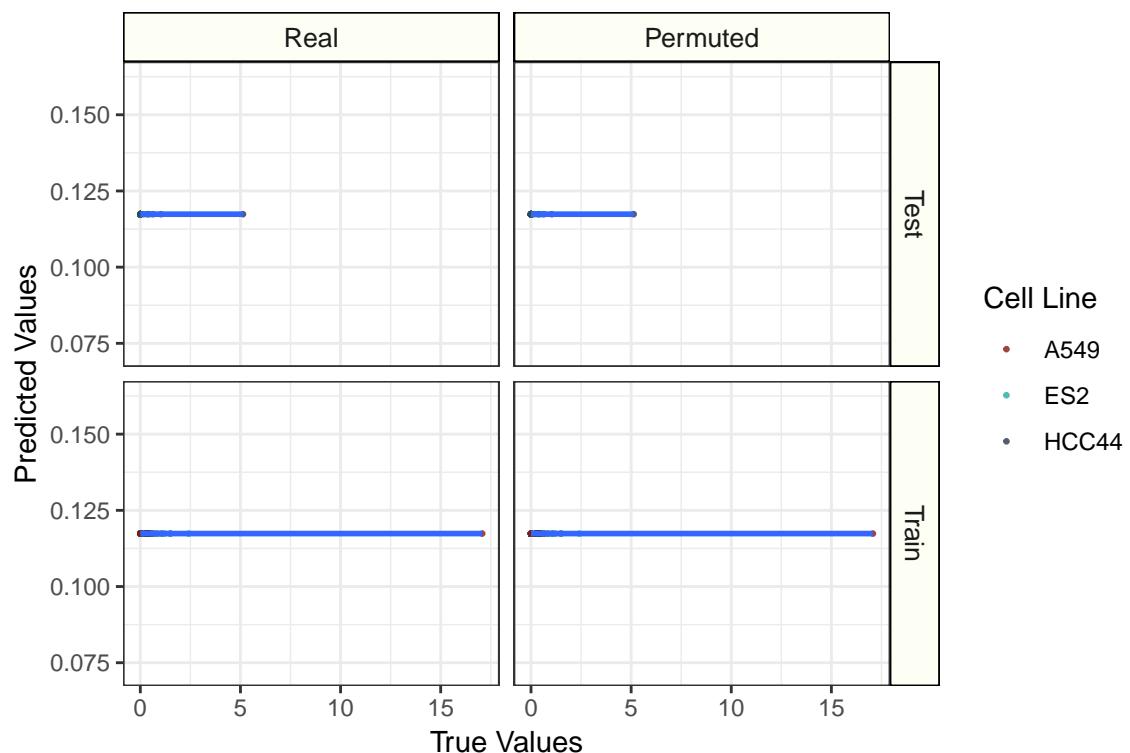


fit	shuffle	transform	r2	value
Train	Real	raw	0.07	0.18
Test	Real	raw	-0.05	0.11
Train	Shuffle	raw	0.00	0.19
Test	Shuffle	raw	0.00	0.10

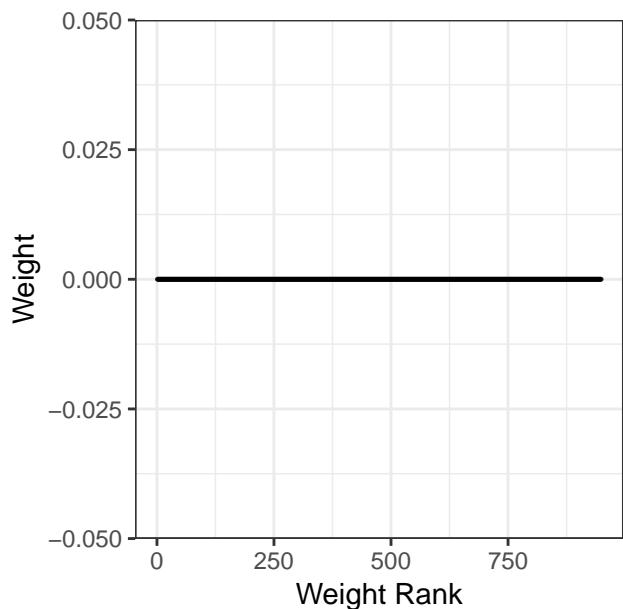


# Performance: cc\_late\_mitosis\_high\_h2ax

Transform: raw

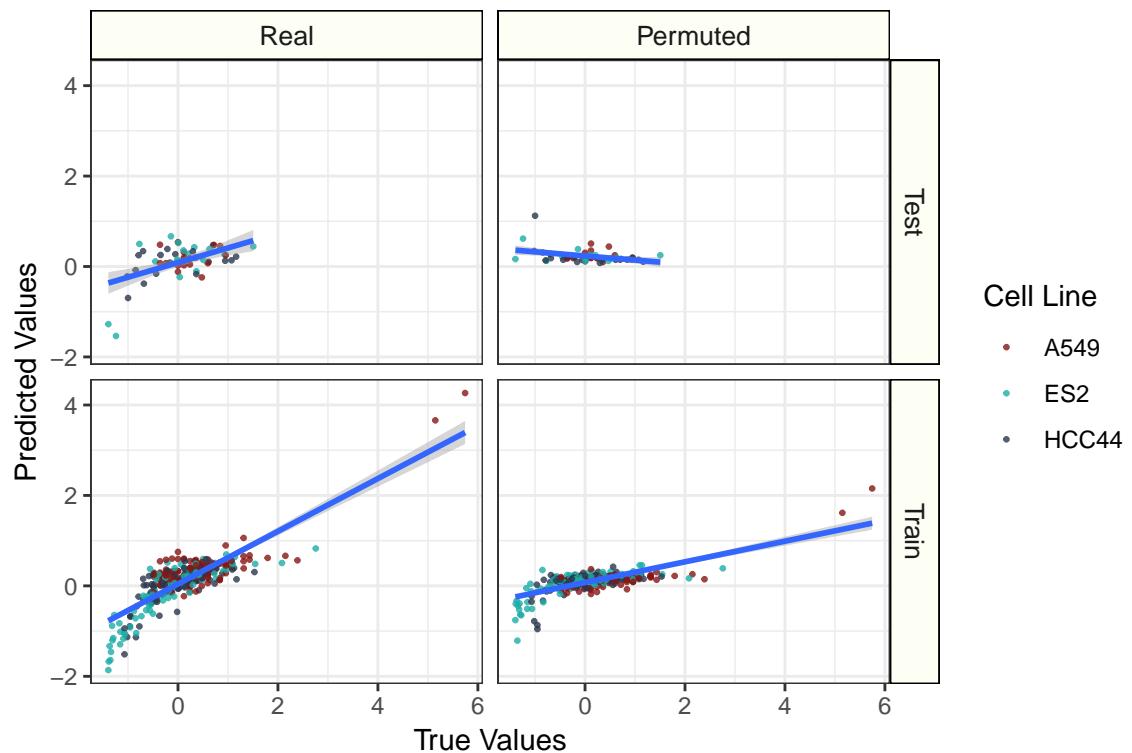


fit	shuffle	transform	r2	value
Train	Real	raw	0	1.03
Test	Real	raw	0	0.50
Train	Shuffle	raw	0	1.03
Test	Shuffle	raw	0	0.50

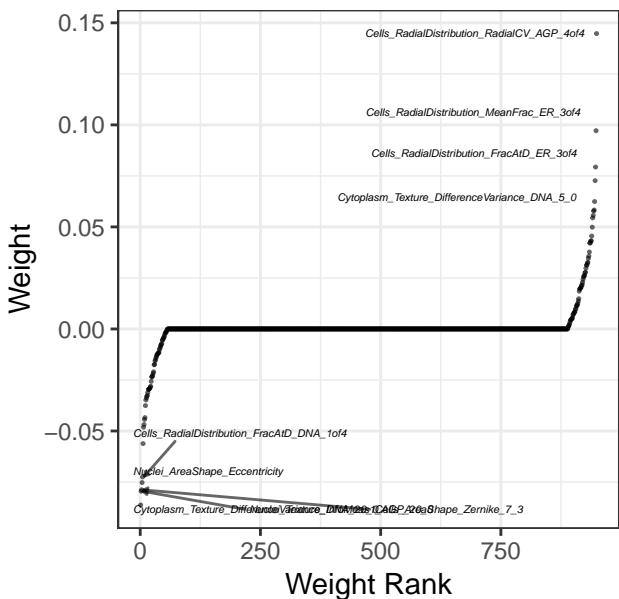


# Performance: cc\_late\_mitosis\_n\_objects

Transform: raw

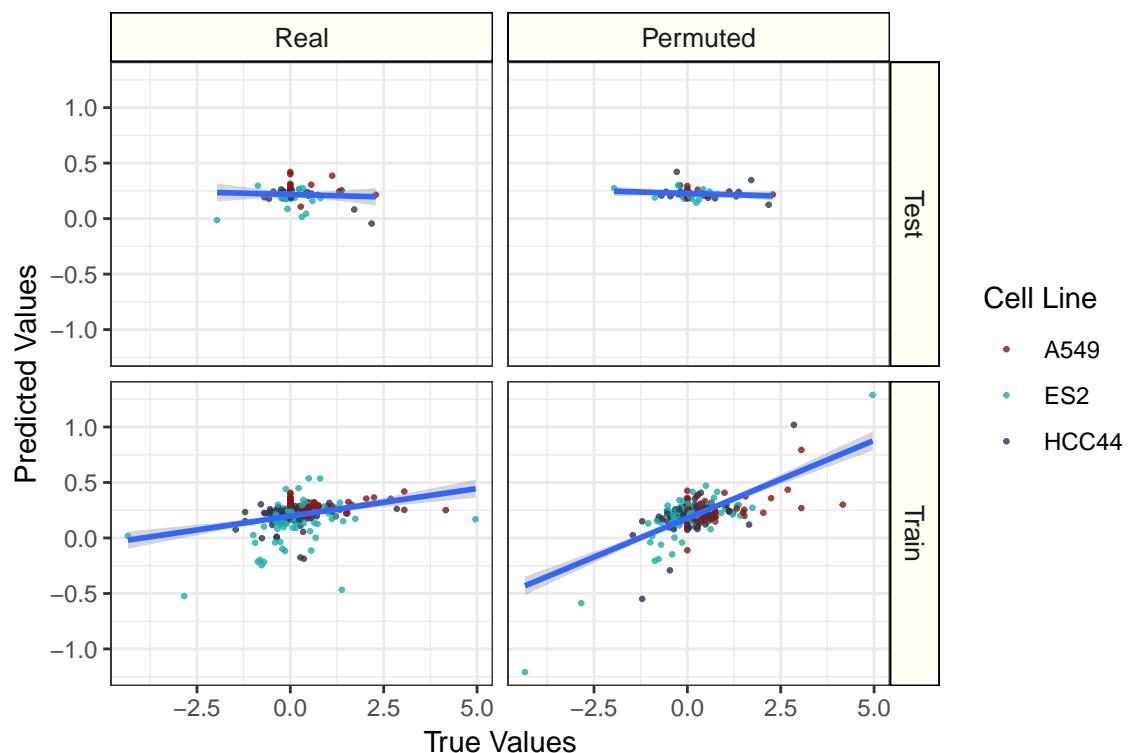


fit	shuffle	transform	r2	value
Train	Real	raw	0.67	0.21
Test	Real	raw	0.25	0.29
Train	Shuffle	raw	0.36	0.41
Test	Shuffle	raw	-0.31	0.51

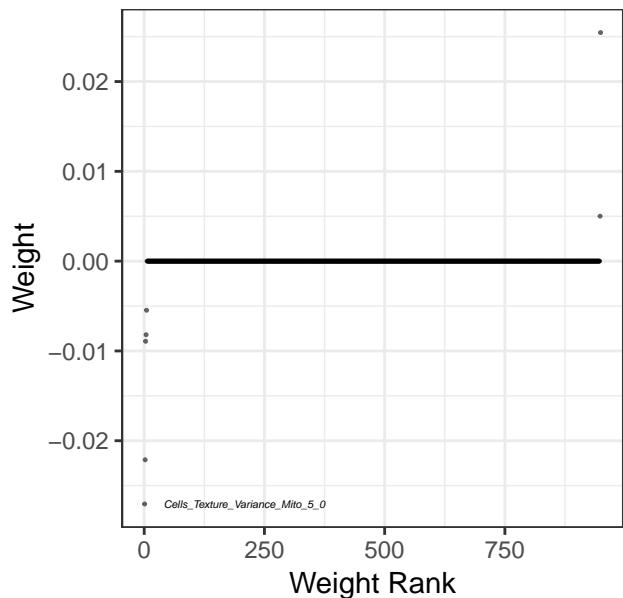


# Performance: cc\_late\_mitosis\_n\_spots\_h2ax\_mean

## Transform: raw

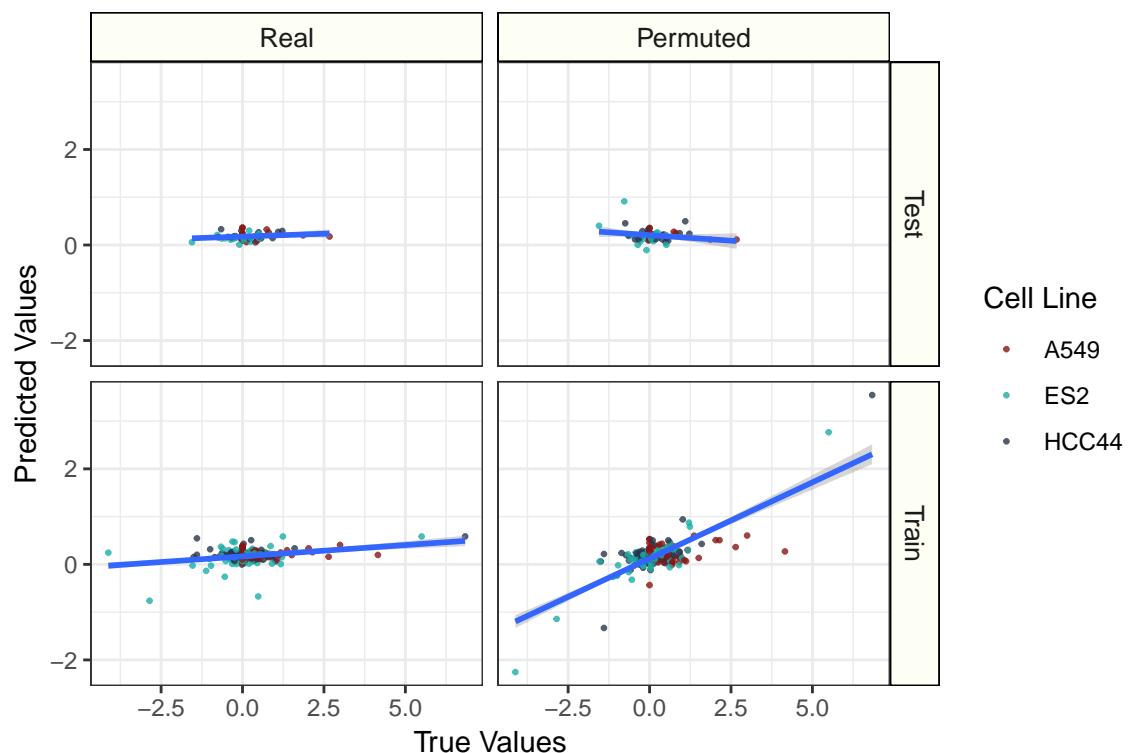


fit	shuffle	transform	r2	value
Train	Real	raw	0.08	0.55
Test	Real	raw	-0.04	0.48
Train	Shuffle	raw	0.24	0.46
Test	Shuffle	raw	-0.03	0.48

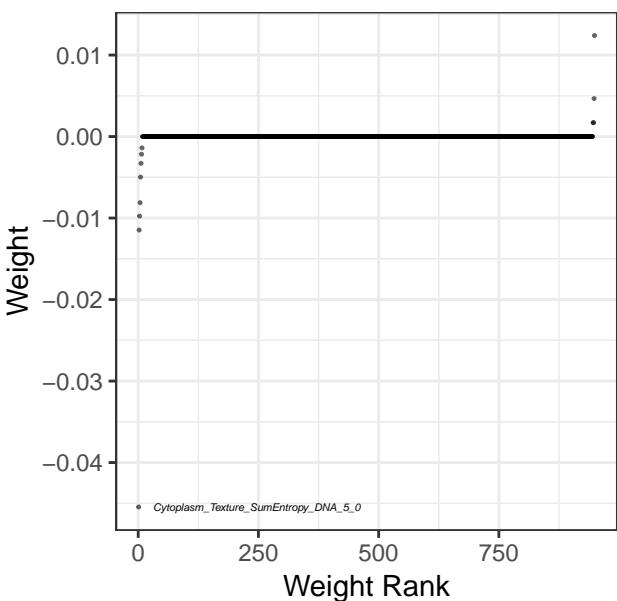


# Performance: cc\_late\_mitosis\_n\_spots\_h2ax\_per\_nucleus\_area

## Transform: raw

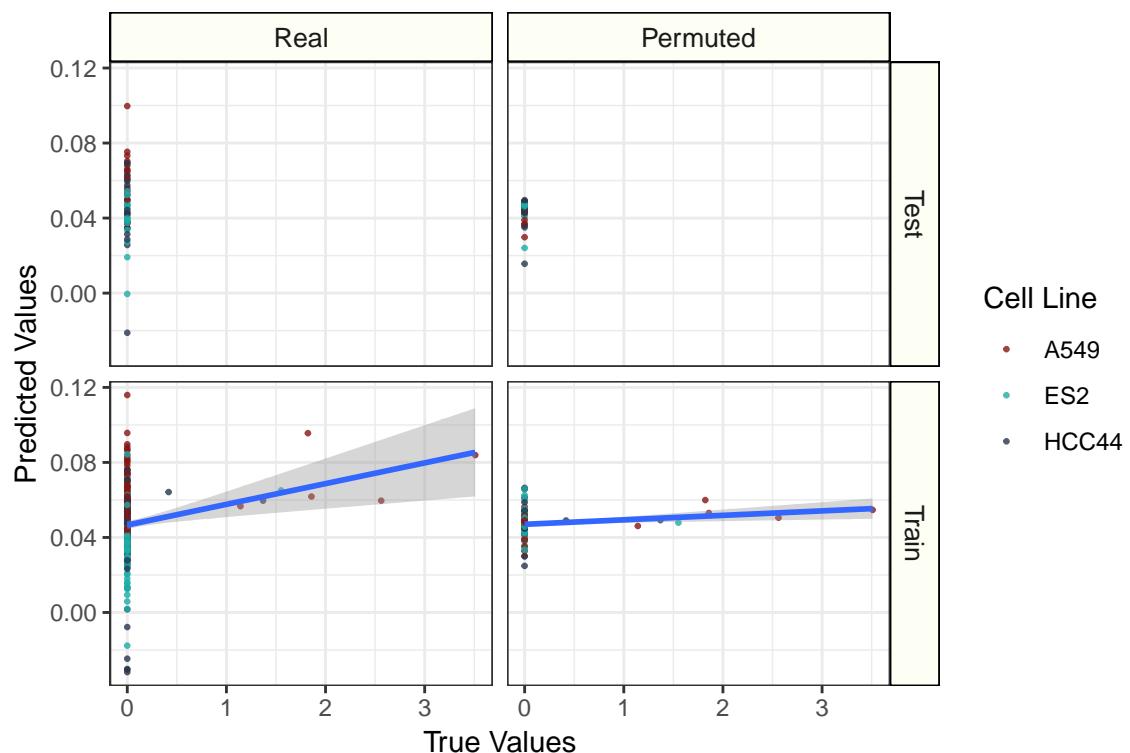


fit	shuffle	transform	r2	value
Train	Real	raw	0.07	0.62
Test	Real	raw	0.03	0.40
Train	Shuffle	raw	0.47	0.36
Test	Shuffle	raw	-0.16	0.47

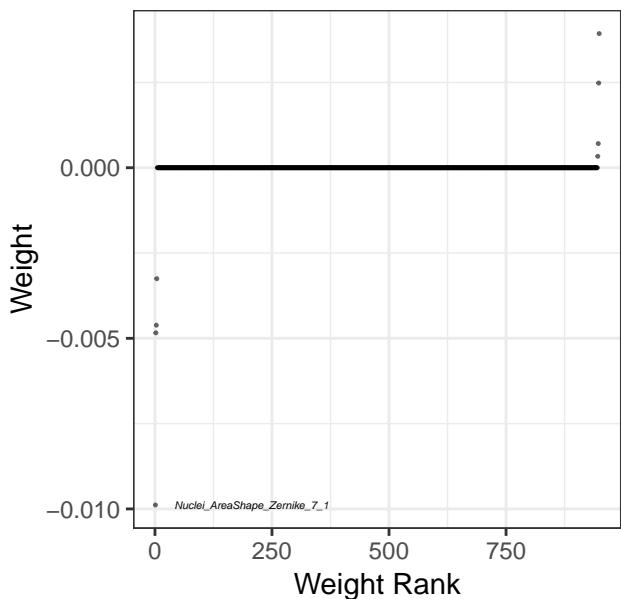


# Performance: cc\_mitosis\_high\_h2ax

Transform: raw

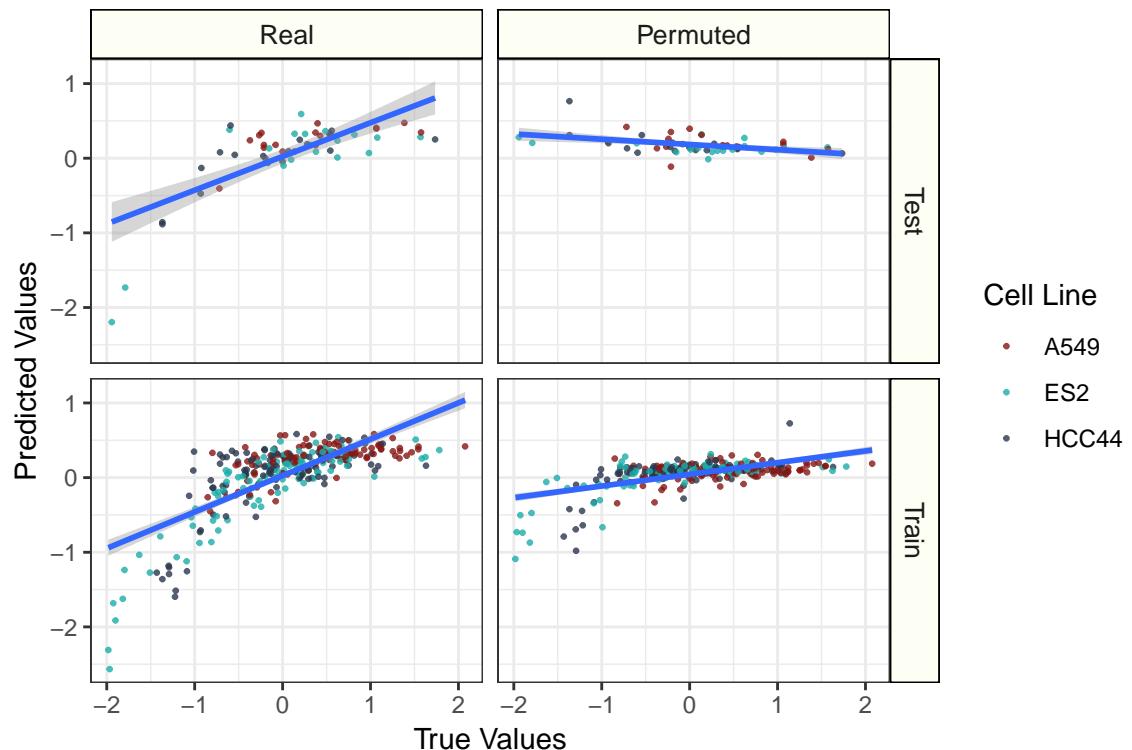


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.1
Test	Real	raw	0.00	0.0
Train	Shuffle	raw	0.00	0.1
Test	Shuffle	raw	0.00	0.0

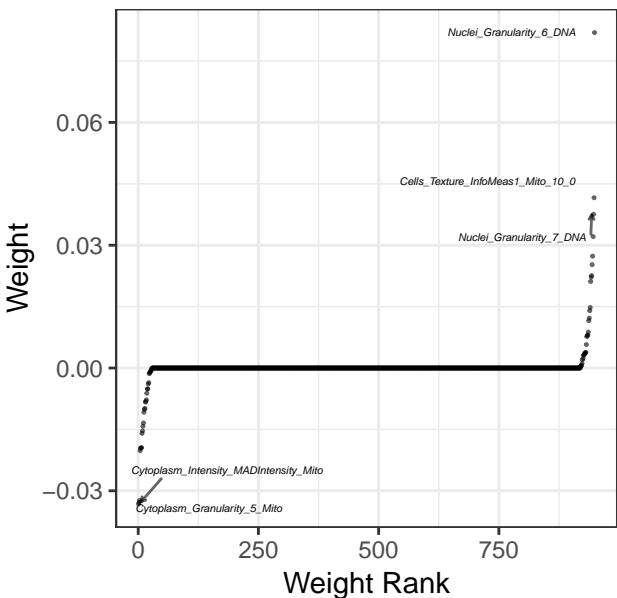


# Performance: cc\_mitosis\_n\_objects

Transform: raw

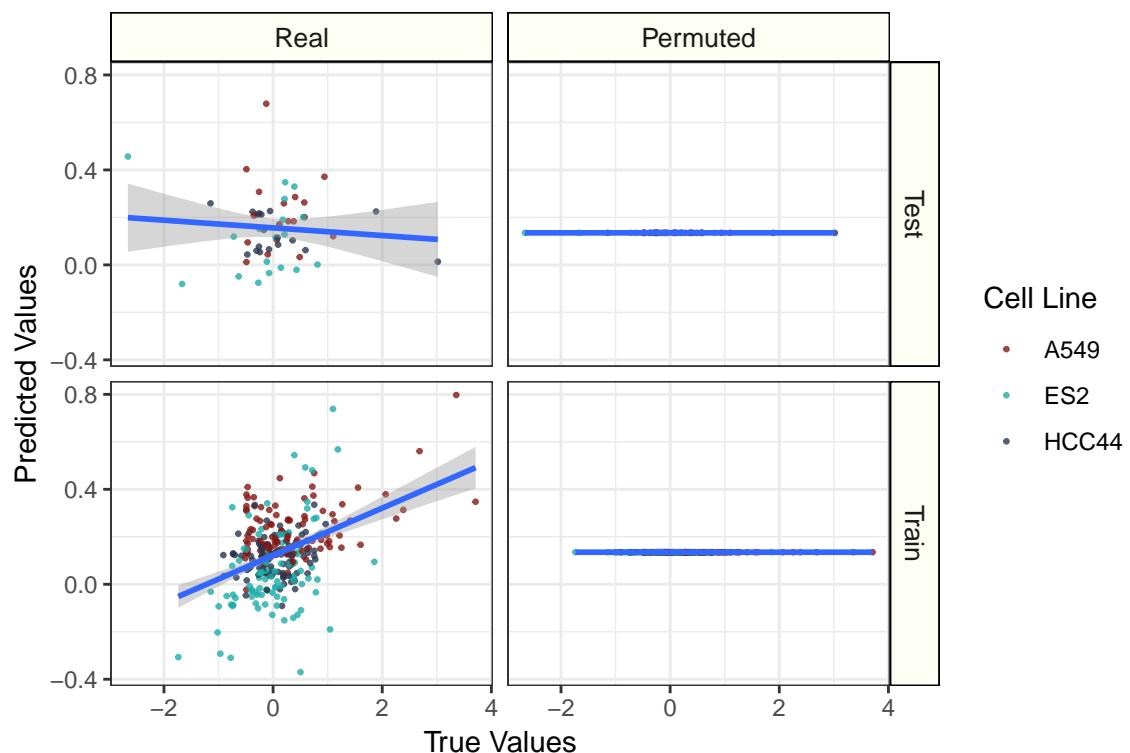


fit	shuffle	transform	r2	value
Train	Real	raw	0.54	0.24
Test	Real	raw	0.51	0.30
Train	Shuffle	raw	0.24	0.40
Test	Shuffle	raw	-0.18	0.71

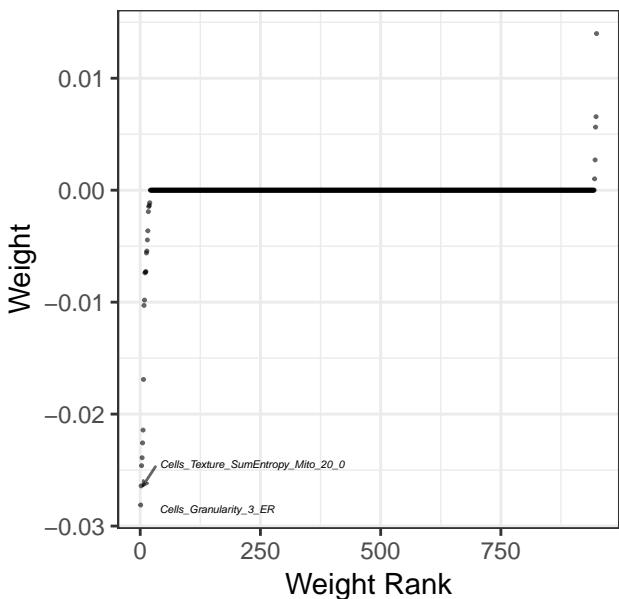


# Performance: cc\_mitosis\_n\_spots\_h2ax\_mean

## Transform: raw

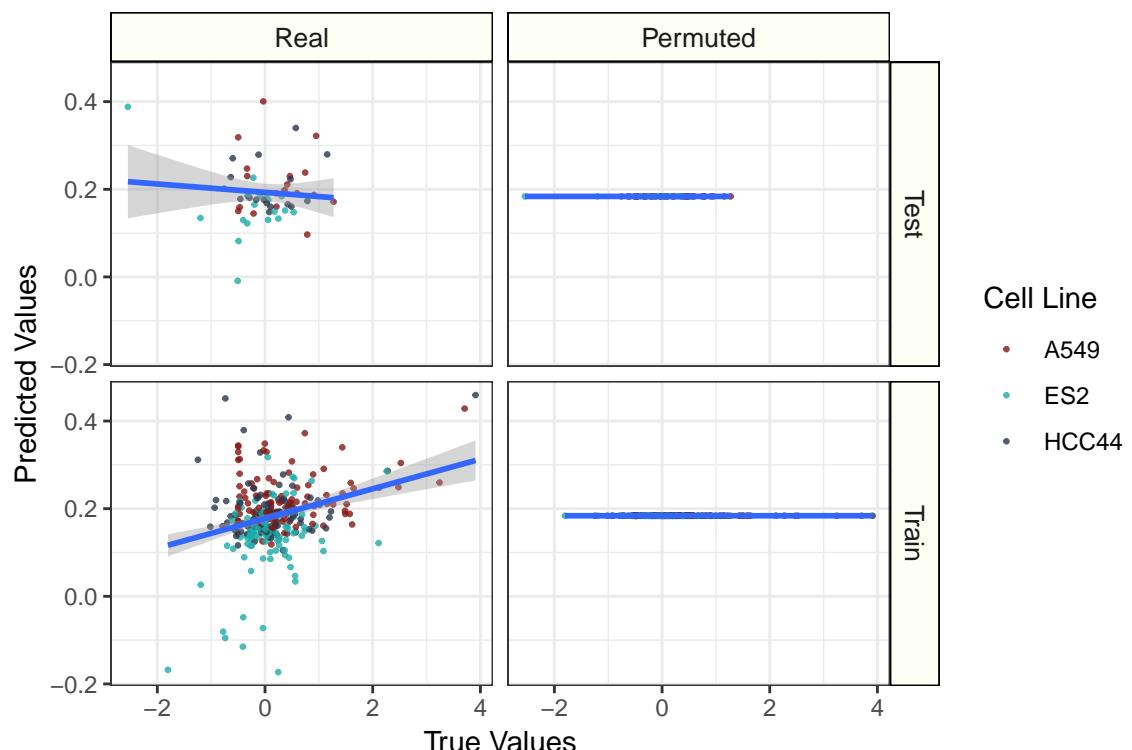


fit	shuffle	transform	r2	value
Train	Real	raw	0.14	0.35
Test	Real	raw	-0.09	0.65
Train	Shuffle	raw	0.00	0.41
Test	Shuffle	raw	-0.02	0.60

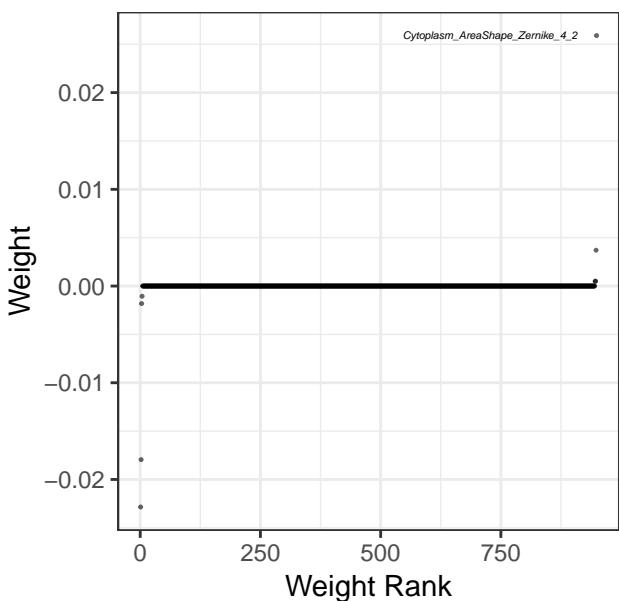


# Performance: cc\_mitosis\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

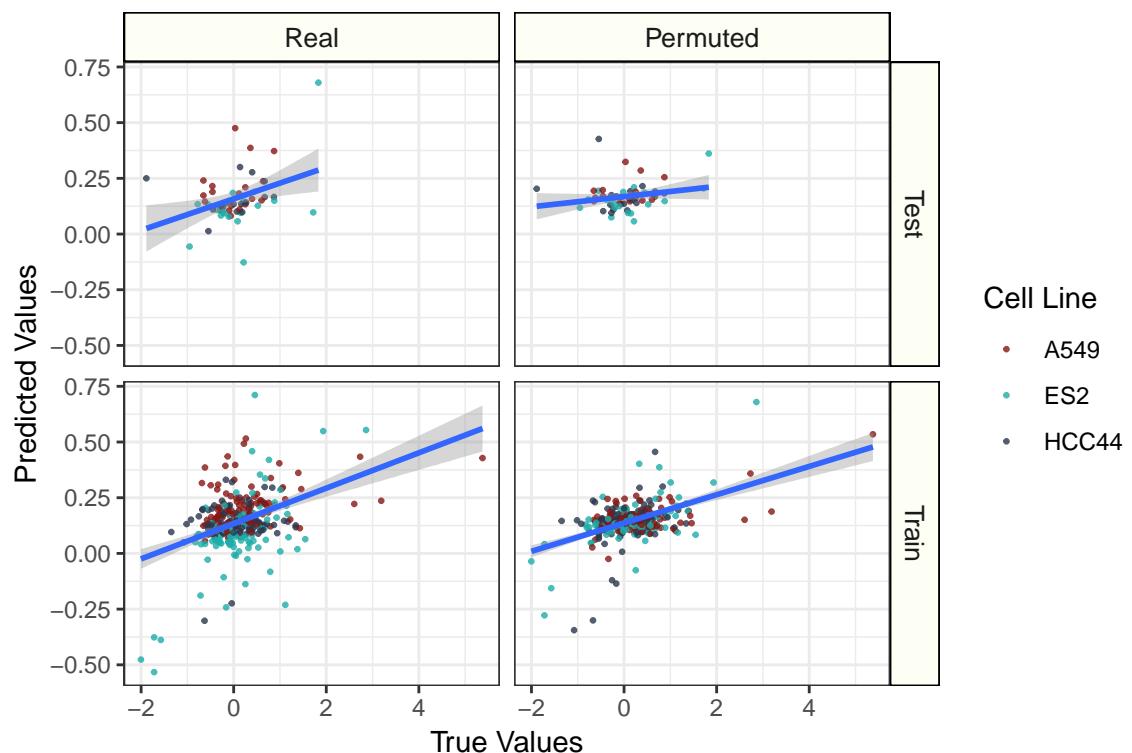


fit	shuffle	transform	r2	value
Train	Real	raw	0.06	0.46
Test	Real	raw	-0.11	0.43
Train	Shuffle	raw	0.00	0.49
Test	Shuffle	raw	-0.07	0.41

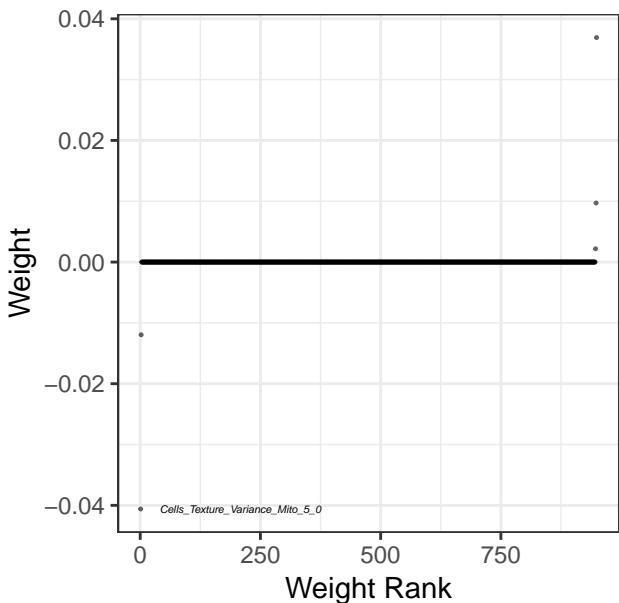


# Performance: cc\_polynuclear\_high\_h2ax

Transform: raw

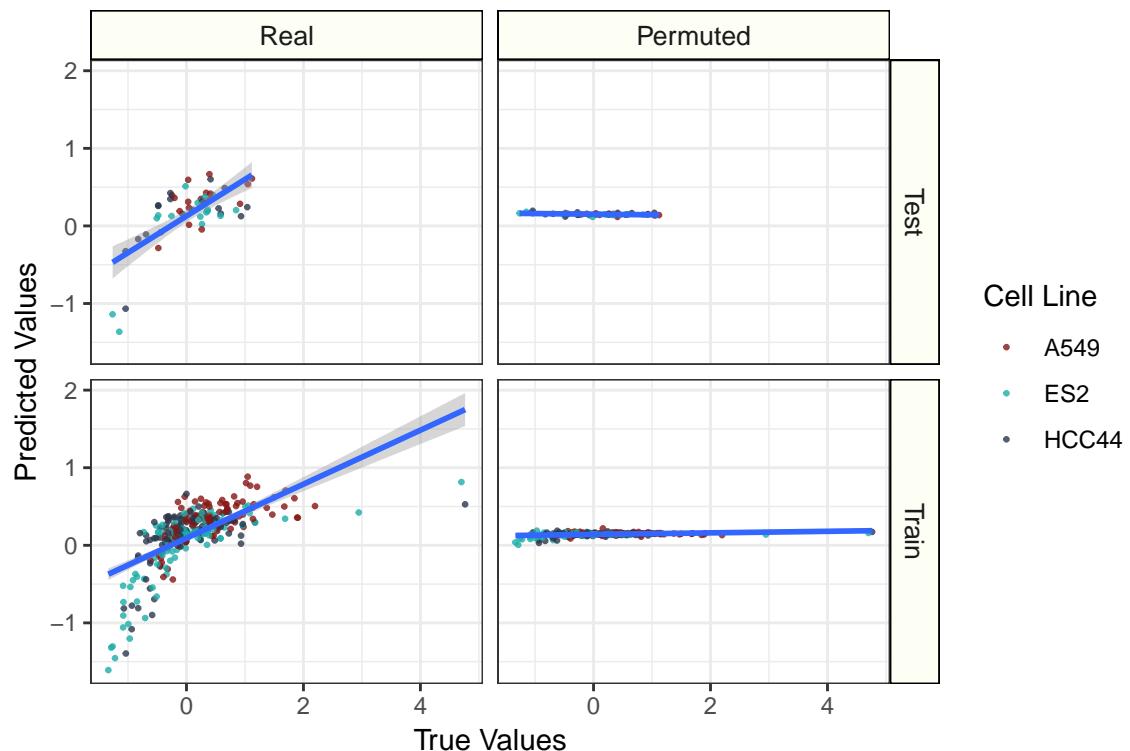


fit	shuffle	transform	r2	value
Train	Real	raw	0.12	0.44
Test	Real	raw	0.07	0.34
Train	Shuffle	raw	0.11	0.44
Test	Shuffle	raw	-0.01	0.37

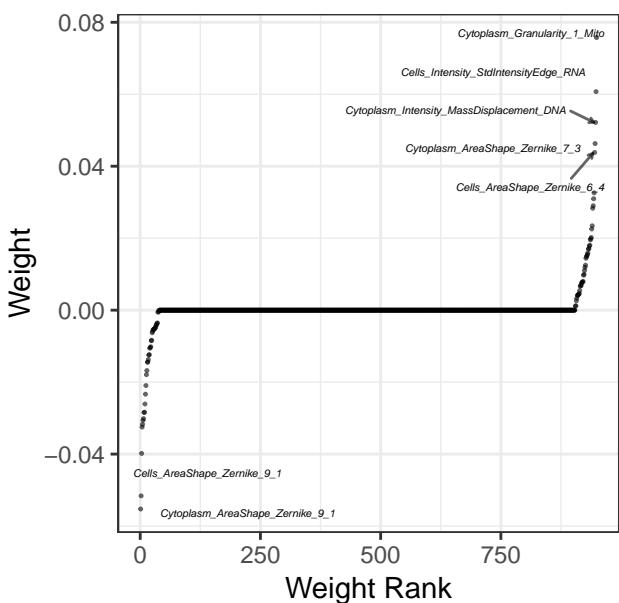


# Performance: cc\_polynuclear\_n\_objects

Transform: raw

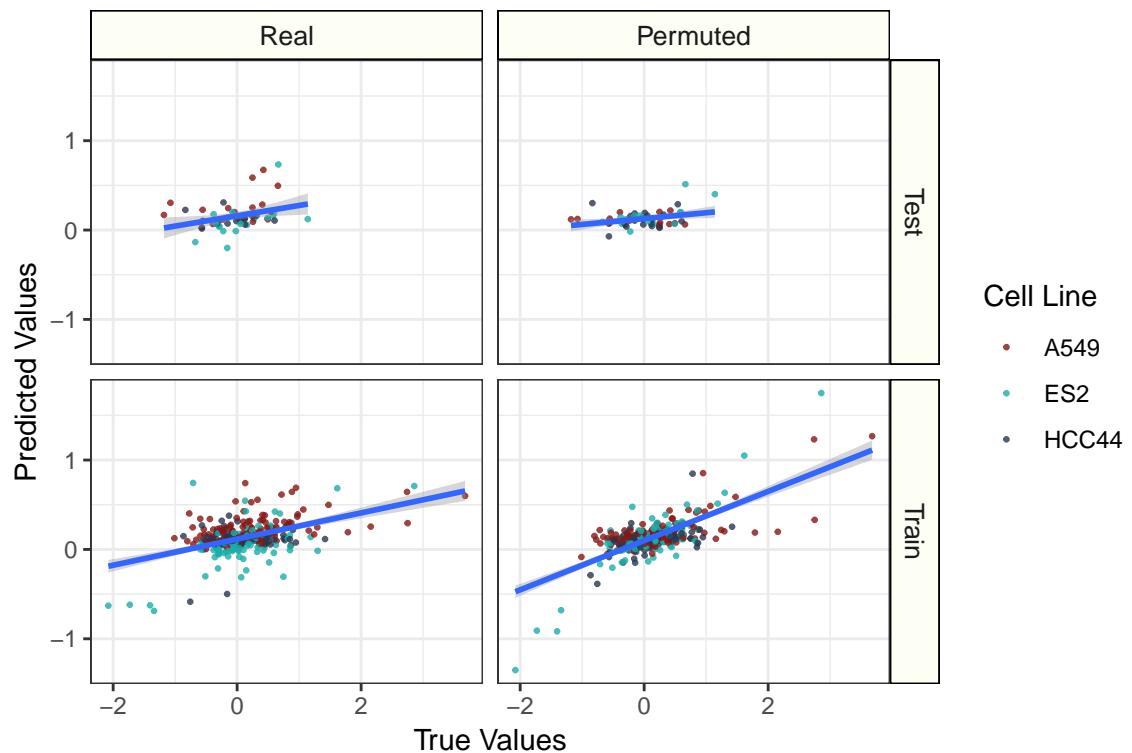


fit	shuffle	transform	r2	value
Train	Real	raw	0.41	0.32
Test	Real	raw	0.44	0.18
Train	Shuffle	raw	0.02	0.53
Test	Shuffle	raw	-0.03	0.32

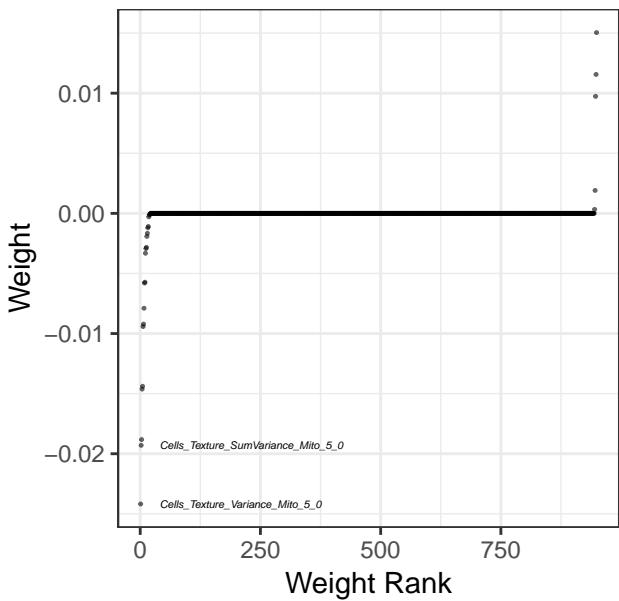


# Performance: cc\_polynuclear\_n\_spots\_h2ax\_mean

Transform: raw

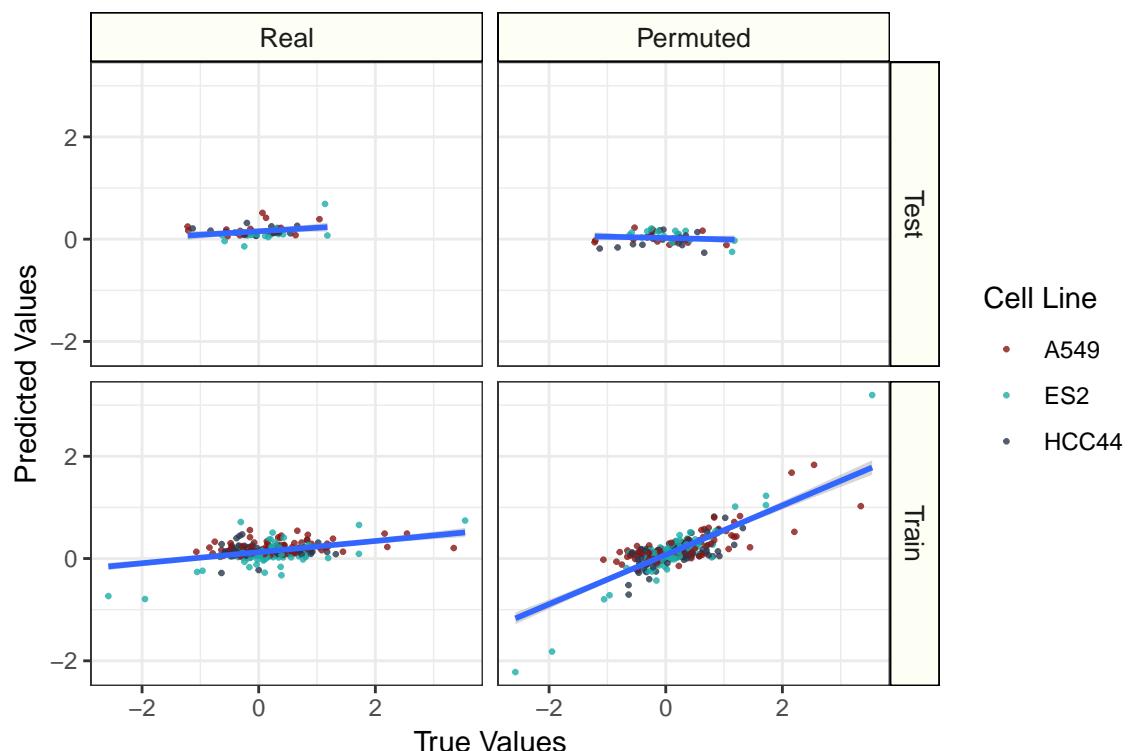


fit	shuffle	transform	r2	value
Train	Real	raw	0.20	0.30
Test	Real	raw	-0.06	0.22
Train	Shuffle	raw	0.40	0.22
Test	Shuffle	raw	-0.02	0.21

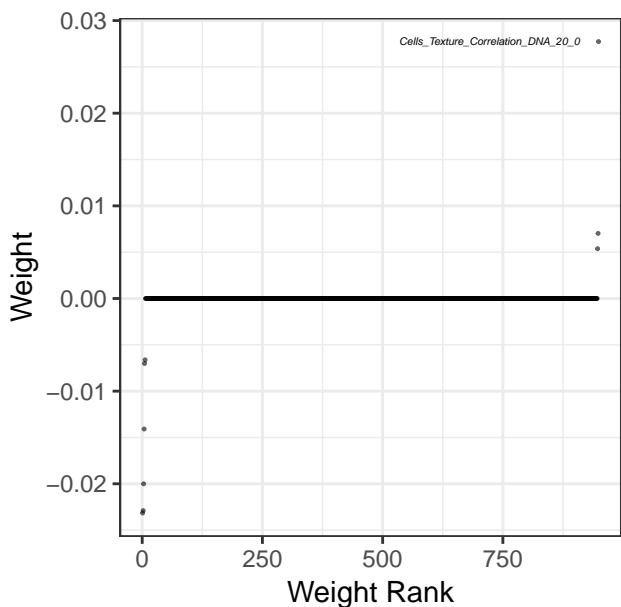


# Performance: cc\_polynuclear\_n\_spots\_h2ax\_per\_nucleus\_area

## Transform: raw

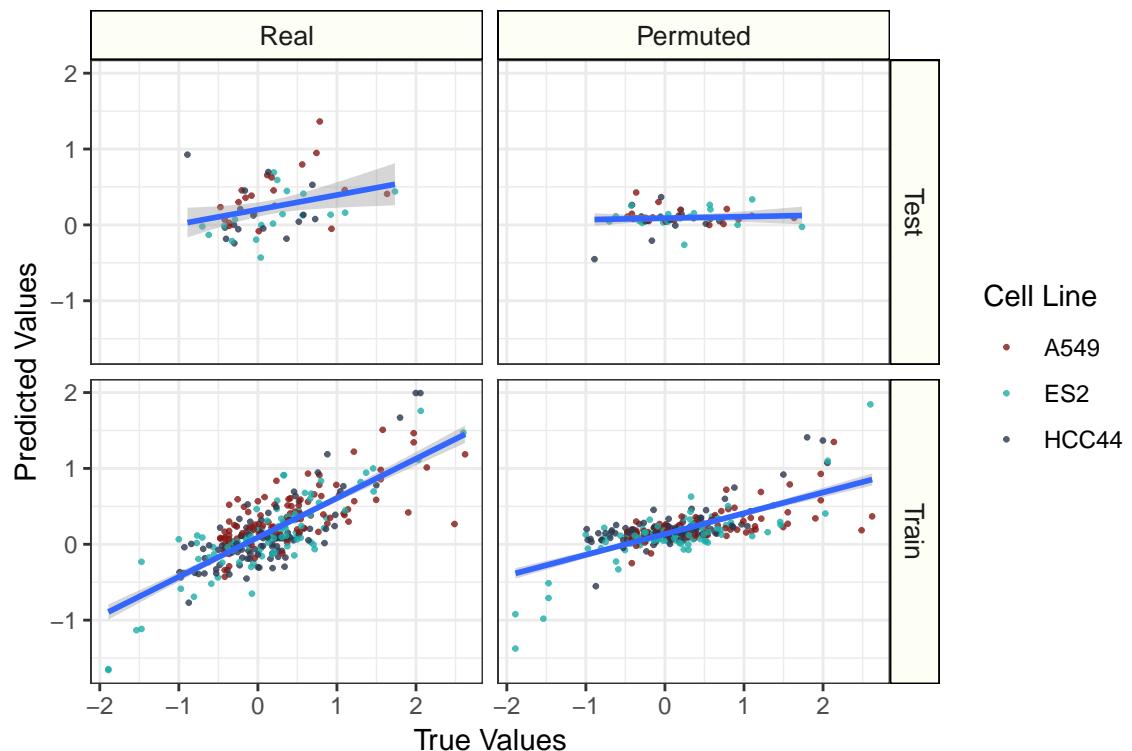


fit	shuffle	transform	r2	value
Train	Real	raw	0.15	0.32
Test	Real	raw	-0.05	0.27
Train	Shuffle	raw	0.60	0.15
Test	Shuffle	raw	-0.11	0.29

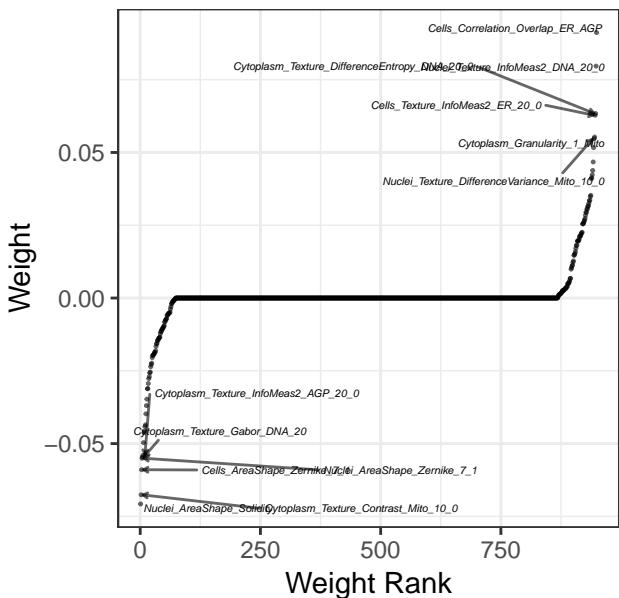


# Performance: cc\_polyplloid\_high\_h2ax

Transform: raw

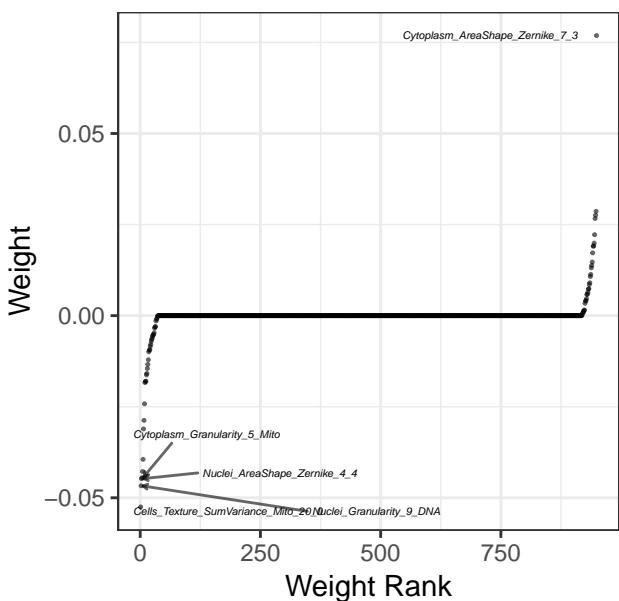
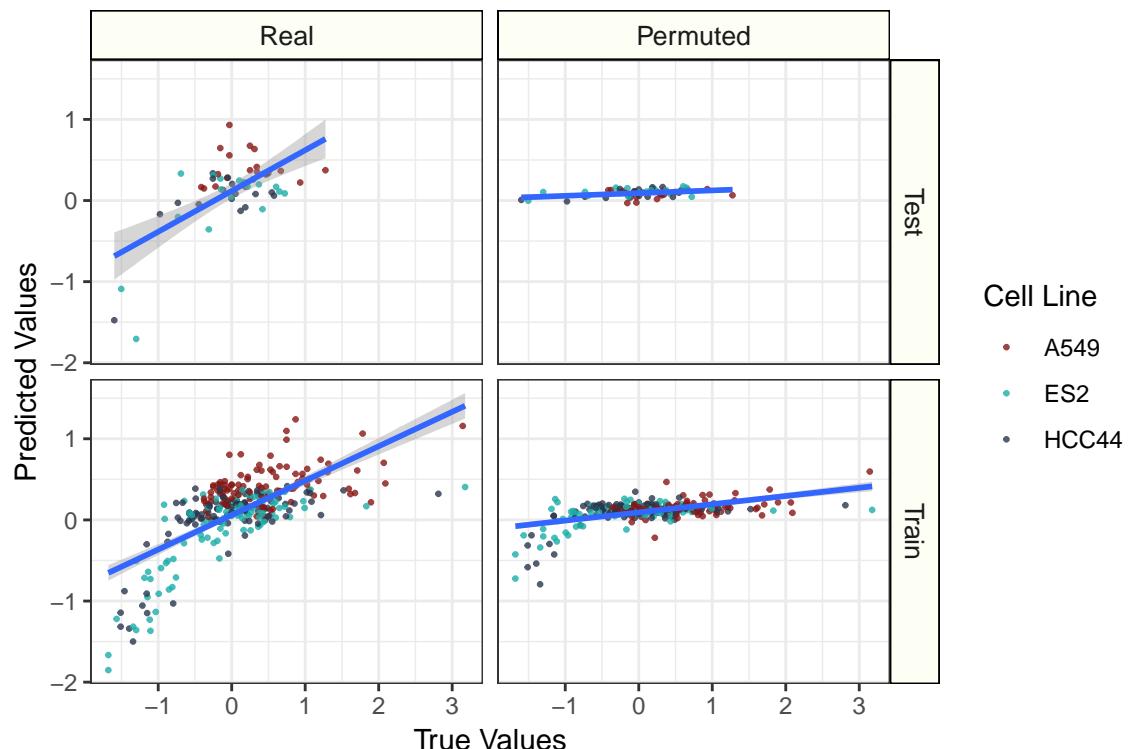


fit	shuffle	transform	r2	value
Train	Real	raw	0.61	0.19
Test	Real	raw	-0.03	0.31
Train	Shuffle	raw	0.39	0.29
Test	Shuffle	raw	-0.03	0.32



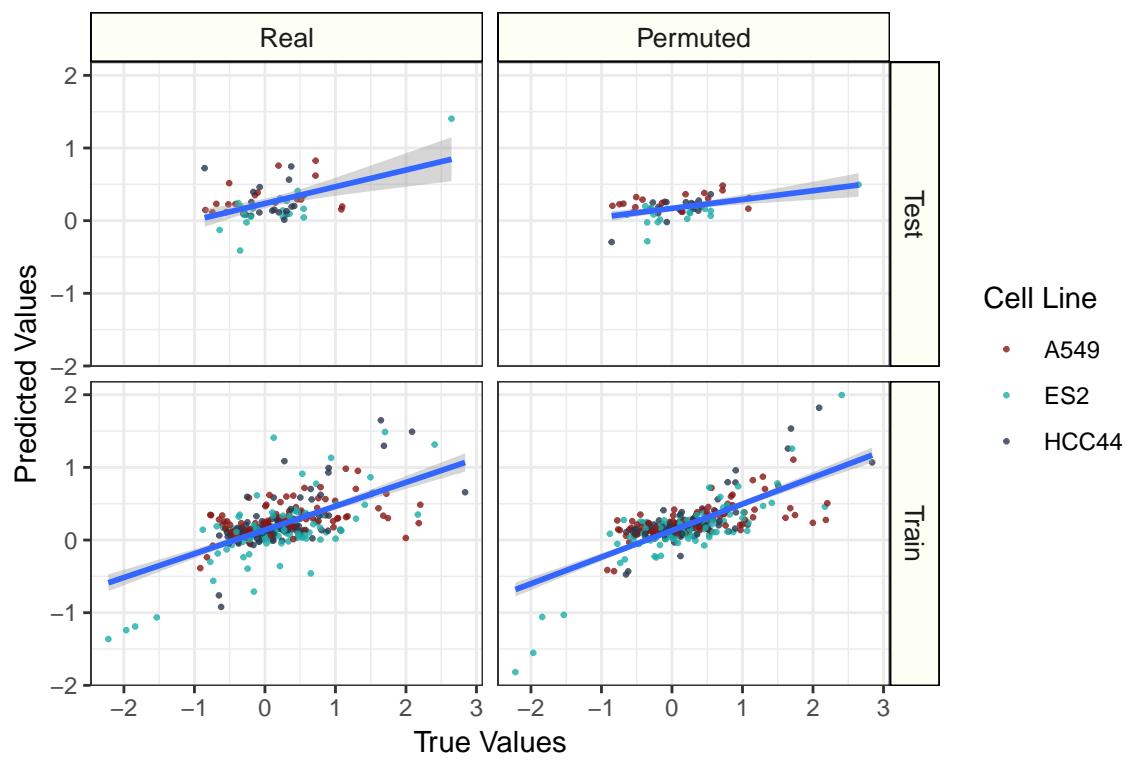
# Performance: cc\_polyplloid\_n\_objects

Transform: raw

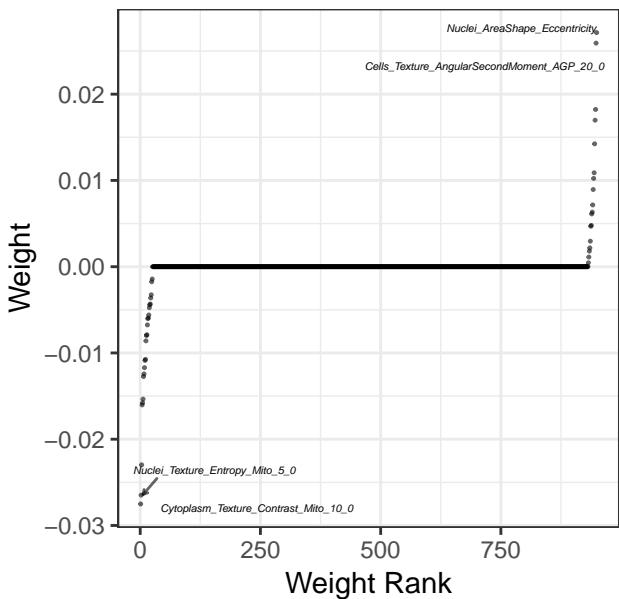


# Performance: cc\_polyplloid\_n\_spots\_h2ax\_mean

Transform: raw

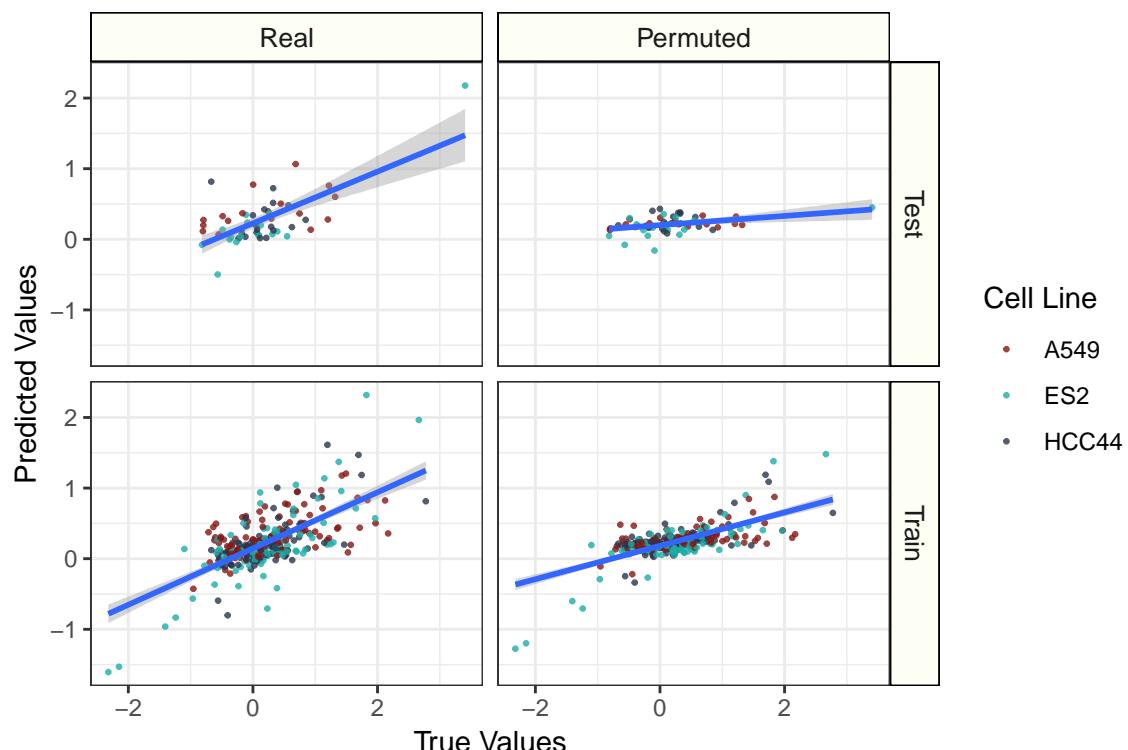


fit	shuffle	transform	r2	value
Train	Real	raw	0.38	0.28
Test	Real	raw	0.14	0.28
Train	Shuffle	raw	0.49	0.23
Test	Shuffle	raw	0.15	0.28

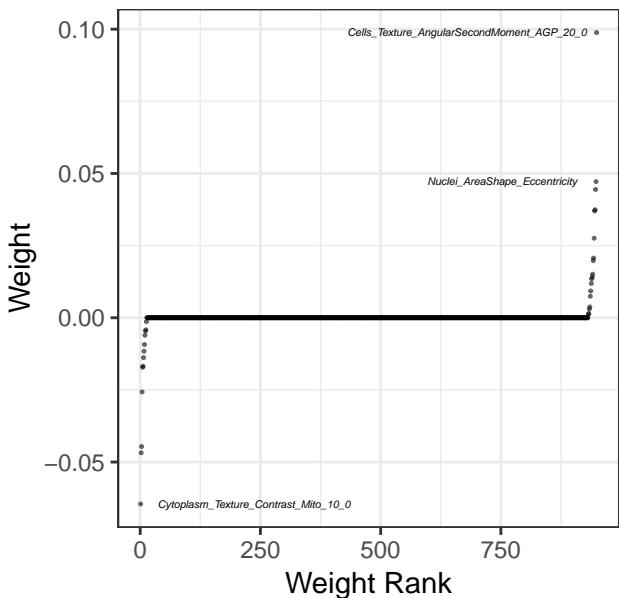


# Performance: cc\_polyplloid\_n\_spots\_h2ax\_per\_nucleus\_area\_m

Transform: raw

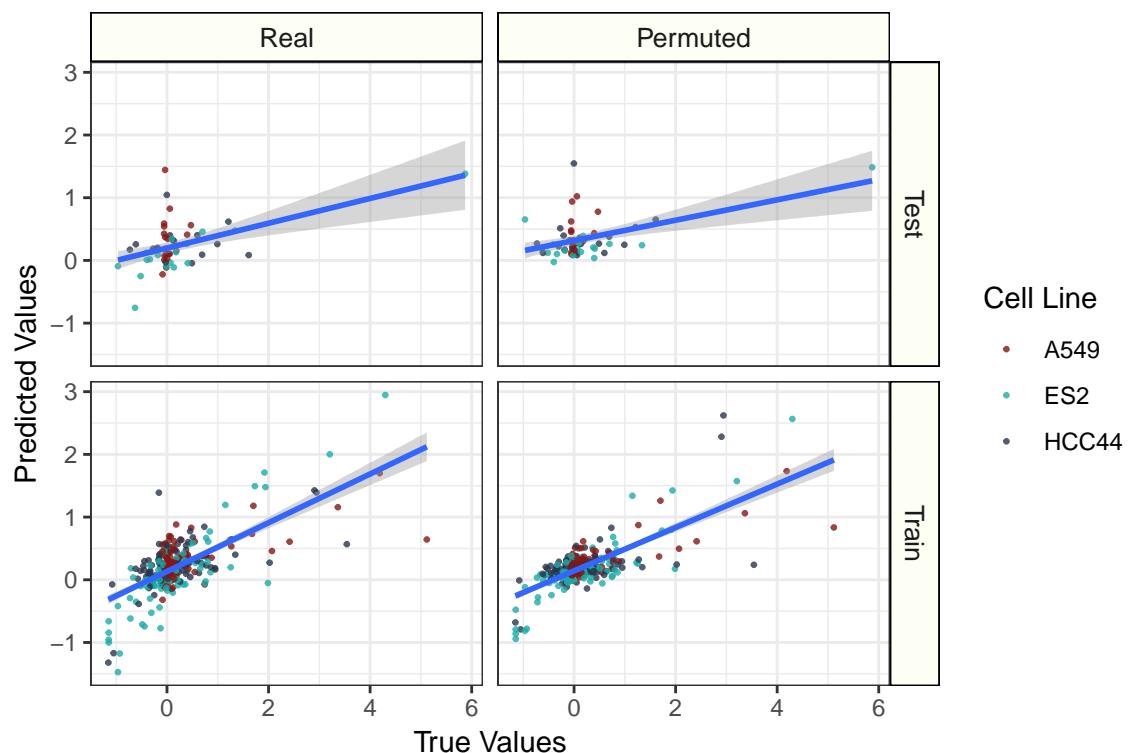


fit	shuffle	transform	r2	value
Train	Real	raw	0.45	0.25
Test	Real	raw	0.40	0.28
Train	Shuffle	raw	0.35	0.29
Test	Shuffle	raw	0.09	0.42

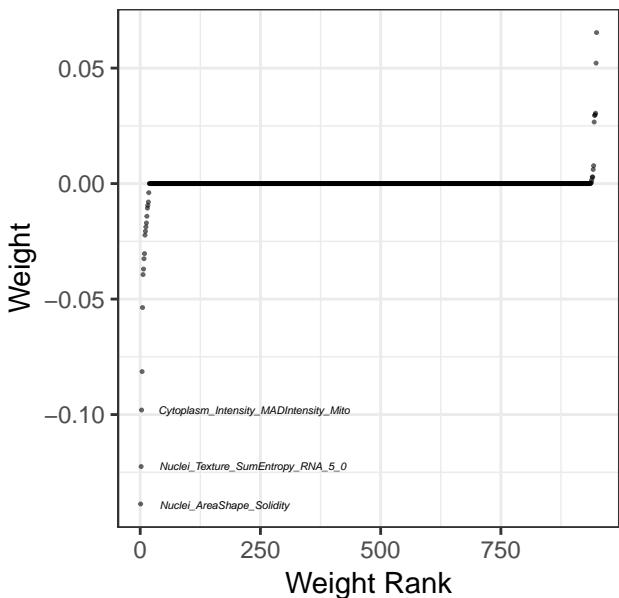


# Performance: cc\_s\_high\_h2ax

Transform: raw

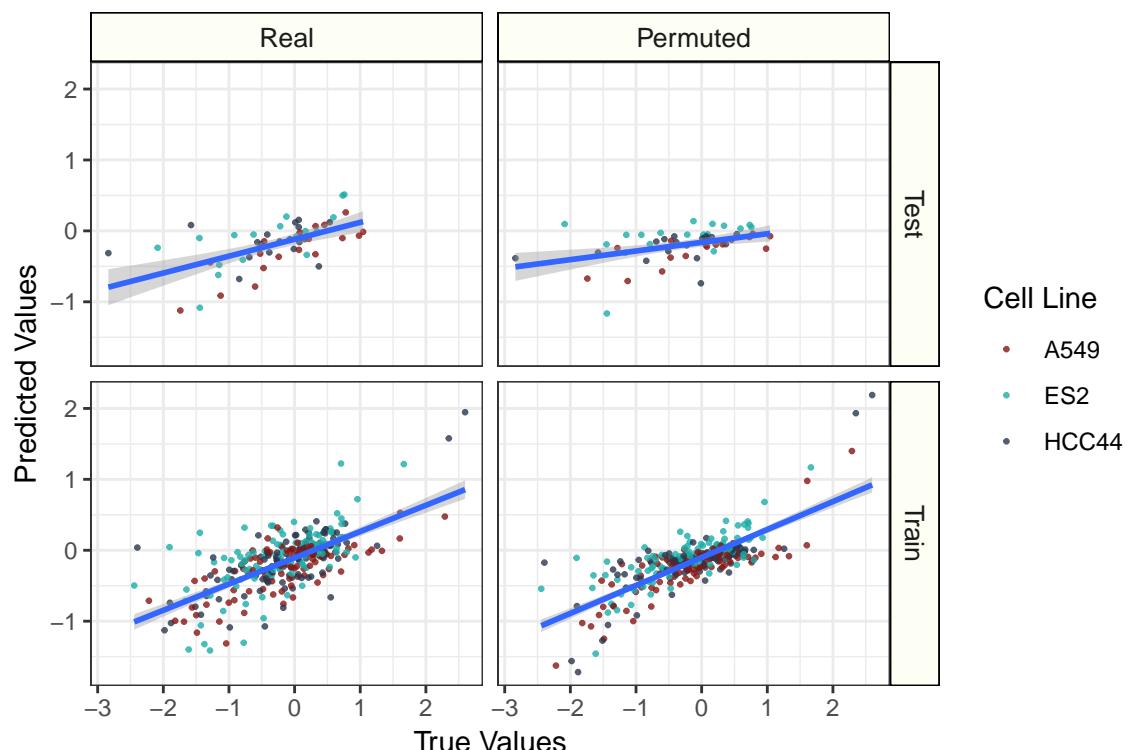


fit	shuffle	transform	r2	value
Train	Real	raw	0.46	0.33
Test	Real	raw	0.24	0.64
Train	Shuffle	raw	0.48	0.32
Test	Shuffle	raw	0.18	0.68

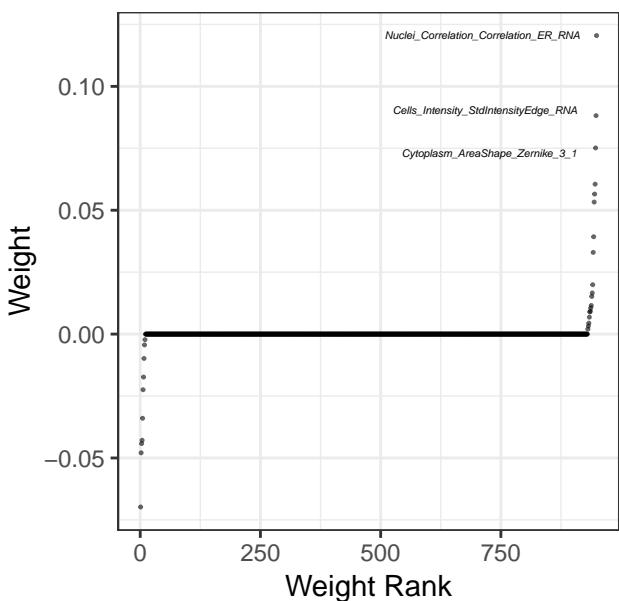


# Performance: cc\_s\_intensity\_nucleus\_area\_mean

Transform: raw

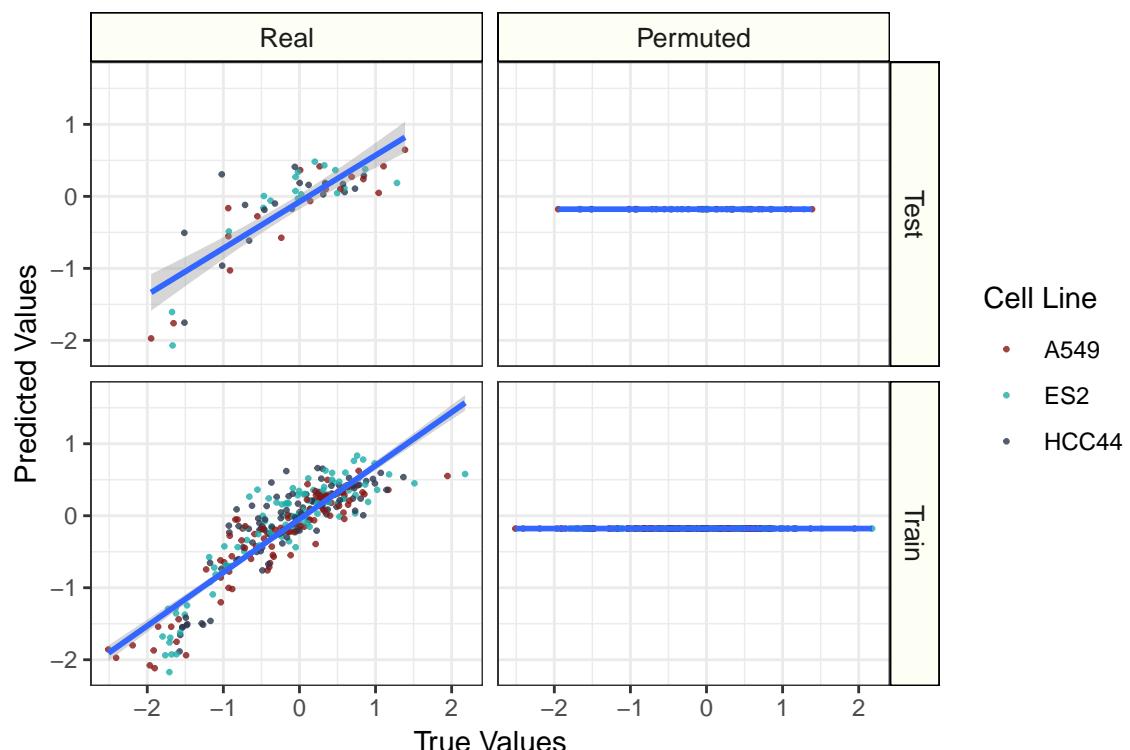


fit	shuffle	transform	r2	value
Train	Real	raw	0.44	0.32
Test	Real	raw	0.29	0.45
Train	Shuffle	raw	0.53	0.27
Test	Shuffle	raw	0.15	0.54

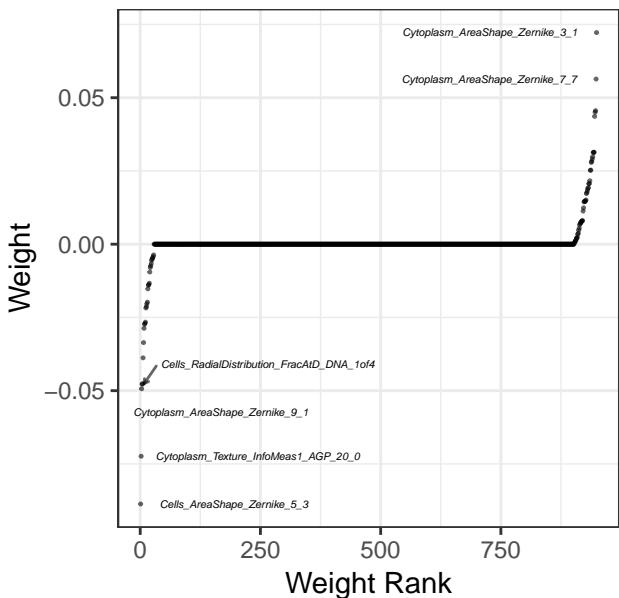


# Performance: cc\_s\_intensity\_nucleus\_area\_sum

Transform: raw

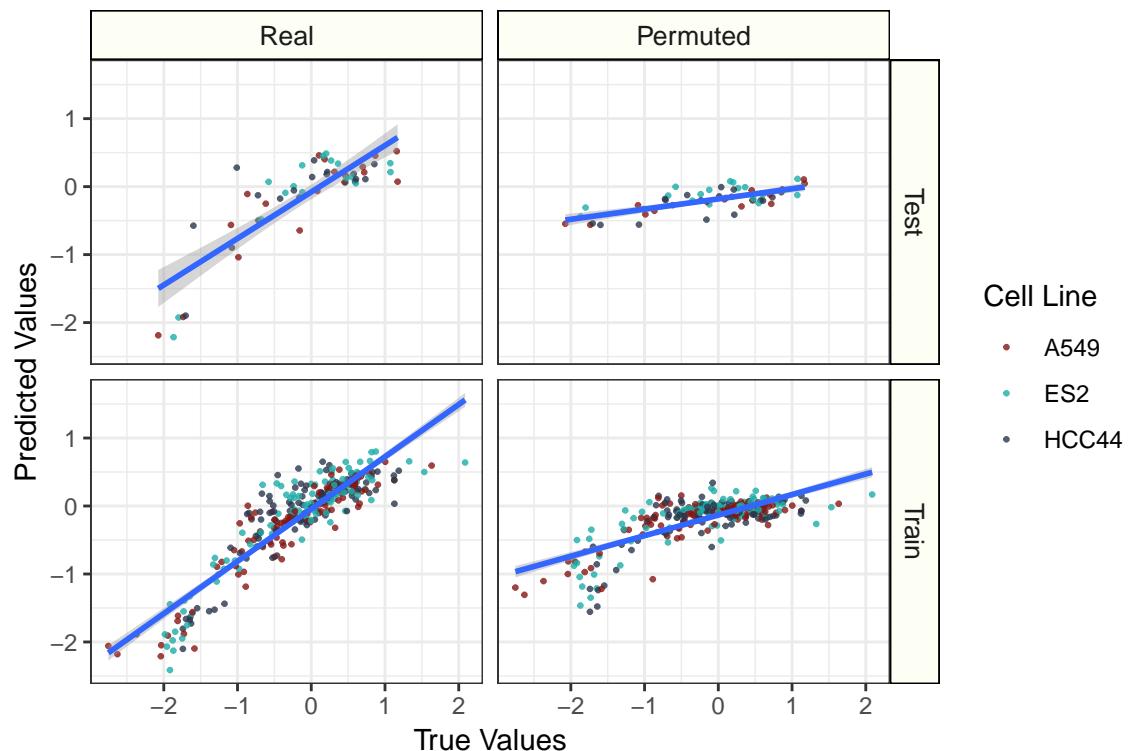


fit	shuffle	transform	r2	value
Train	Real	raw	0.78	0.13
Test	Real	raw	0.67	0.22
Train	Shuffle	raw	0.00	0.61
Test	Shuffle	raw	-0.01	0.66

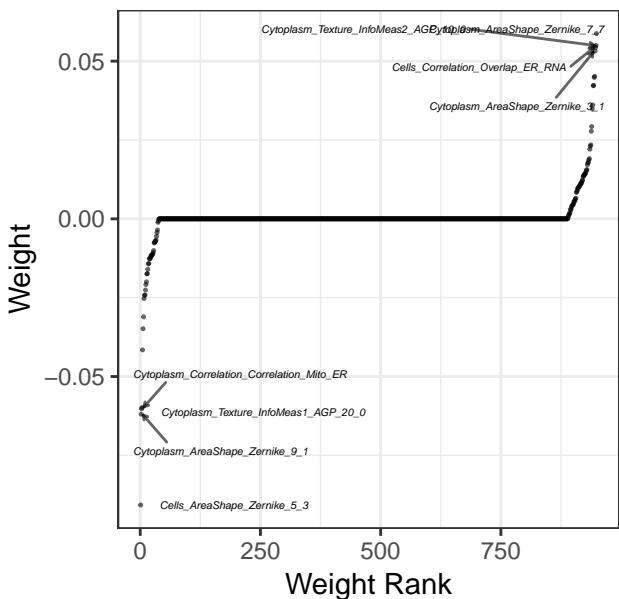


# Performance: cc\_s\_n\_objects

Transform: raw

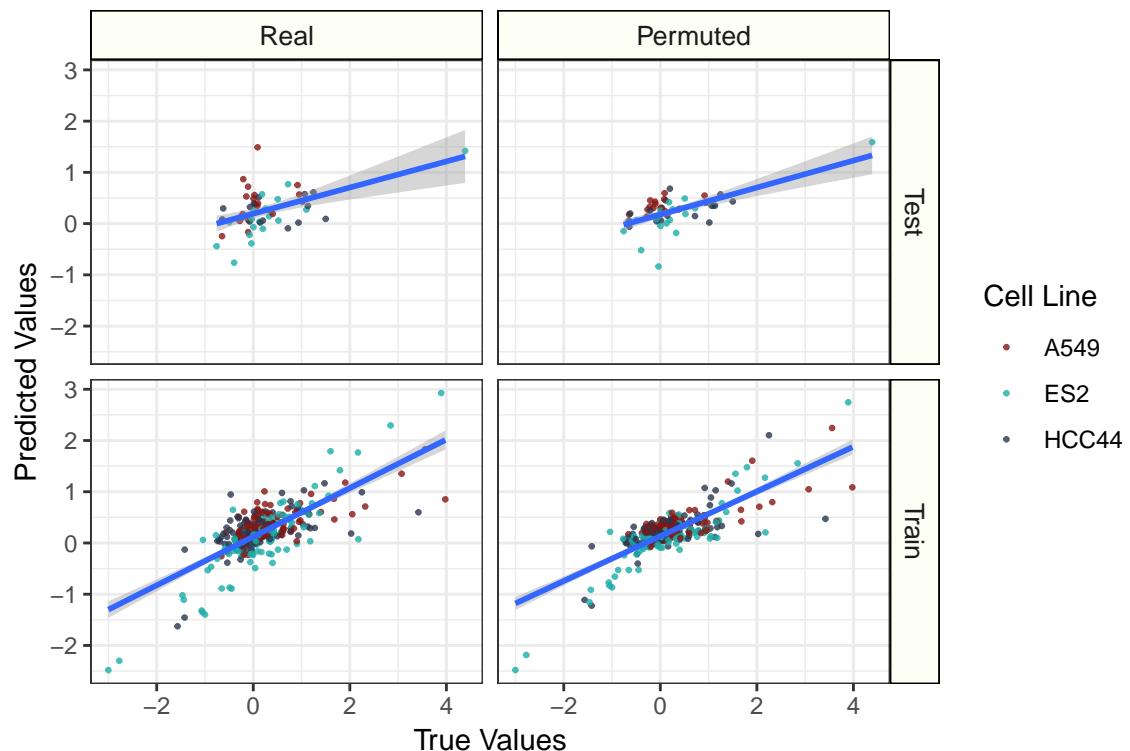


fit	shuffle	transform	r2	value
Train	Real	raw	0.81	0.12
Test	Real	raw	0.69	0.22
Train	Shuffle	raw	0.44	0.37
Test	Shuffle	raw	0.24	0.53

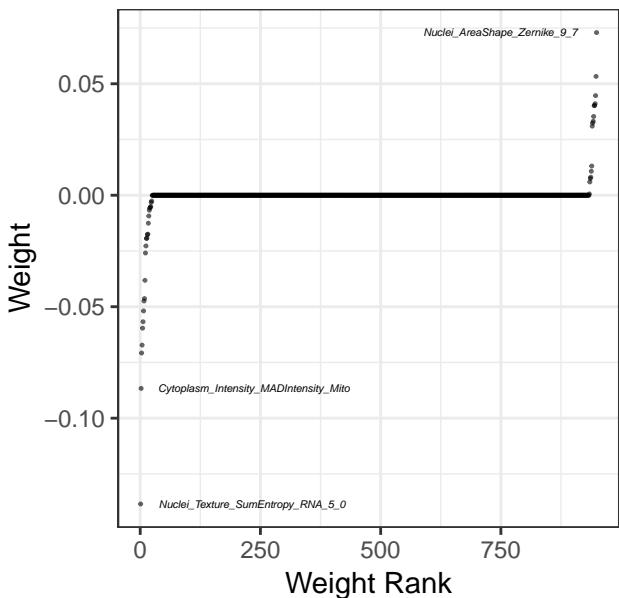


# Performance: cc\_s\_n\_spots\_h2ax\_mean

Transform: raw

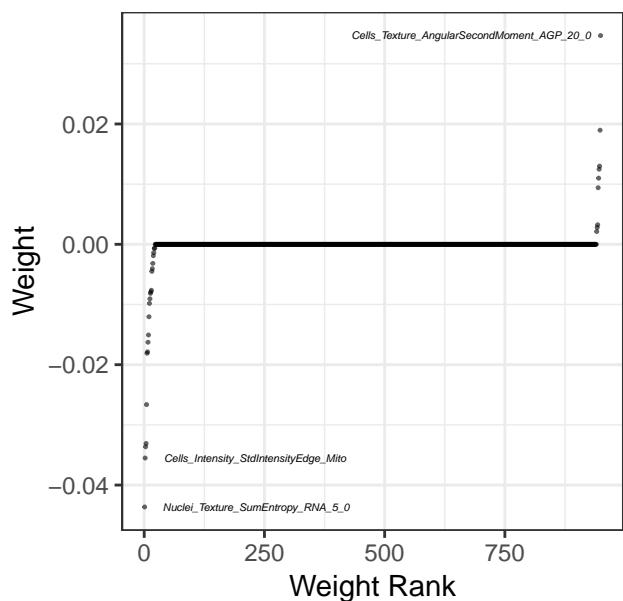
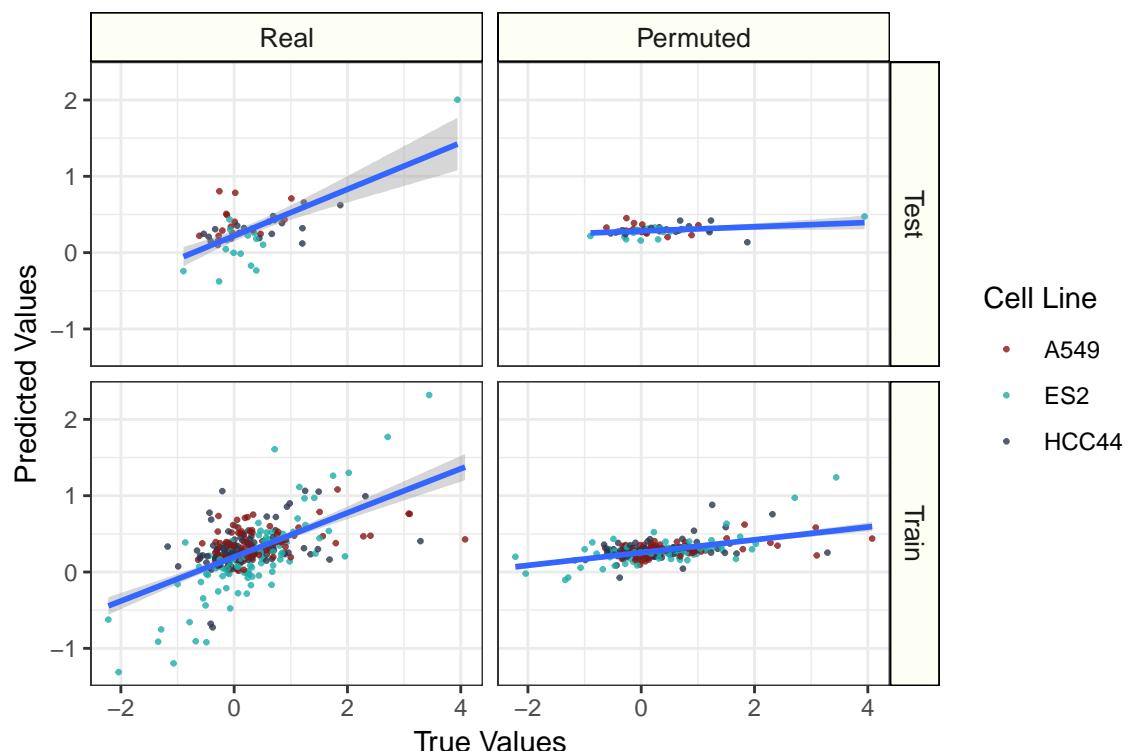


fit	shuffle	transform	r2	value
Train	Real	raw	0.54	0.31
Test	Real	raw	0.25	0.45
Train	Shuffle	raw	0.57	0.29
Test	Shuffle	raw	0.36	0.38



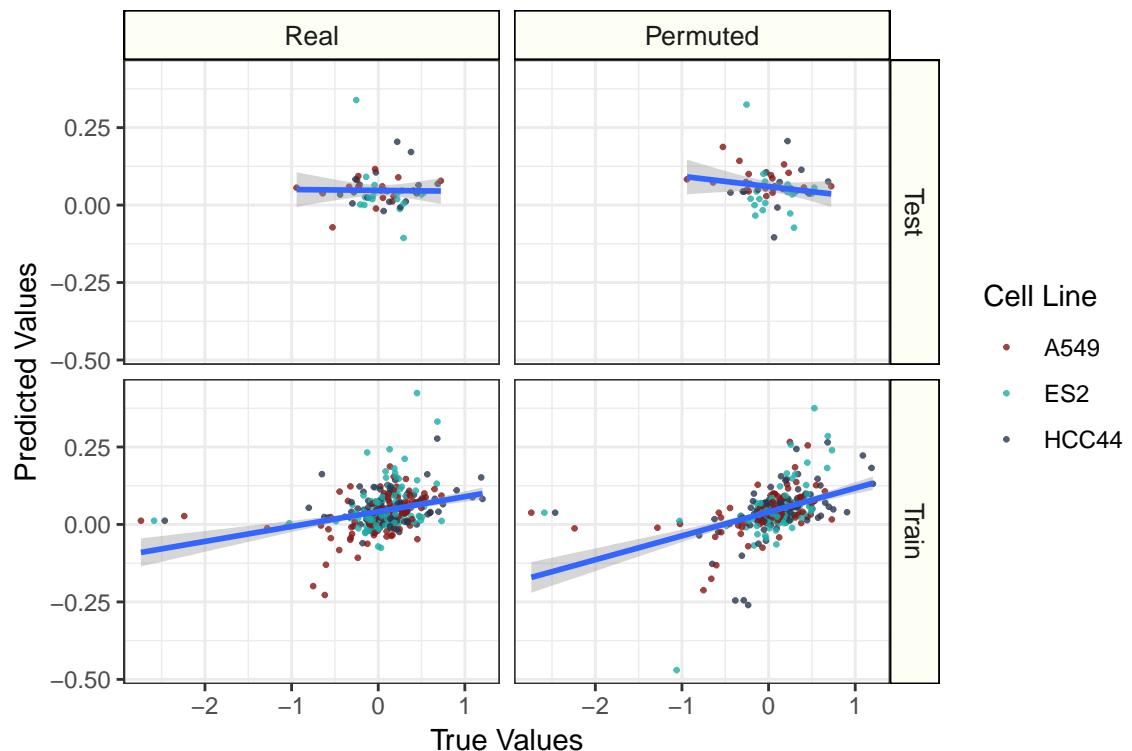
# Performance: cc\_s\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

## Transform: raw

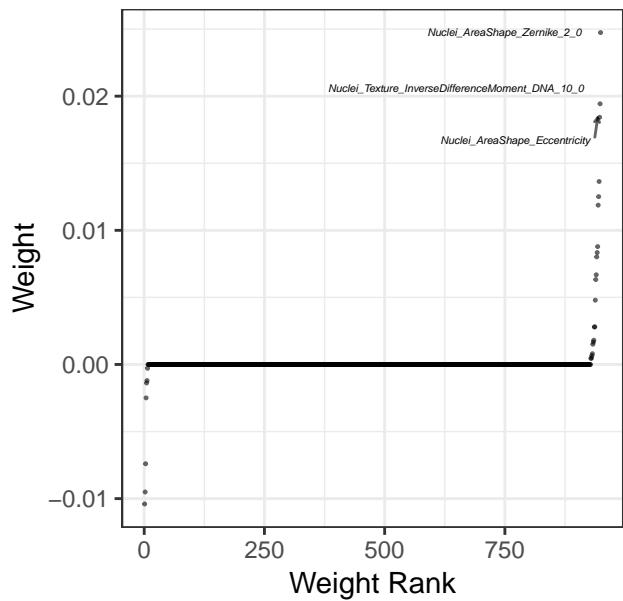


# Performance: vb\_infection\_percentage

Transform: raw

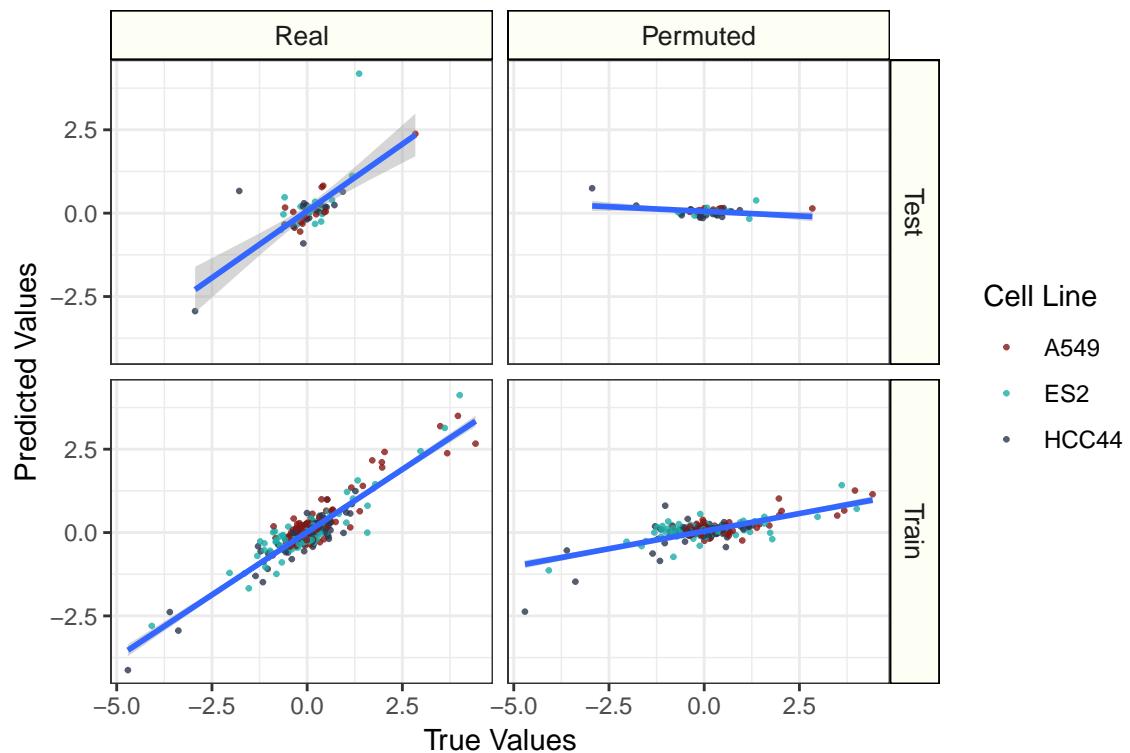


fit	shuffle	transform	r2	value
Train	Real	raw	0.07	0.18
Test	Real	raw	-0.05	0.11
Train	Shuffle	raw	0.12	0.17
Test	Shuffle	raw	-0.12	0.11

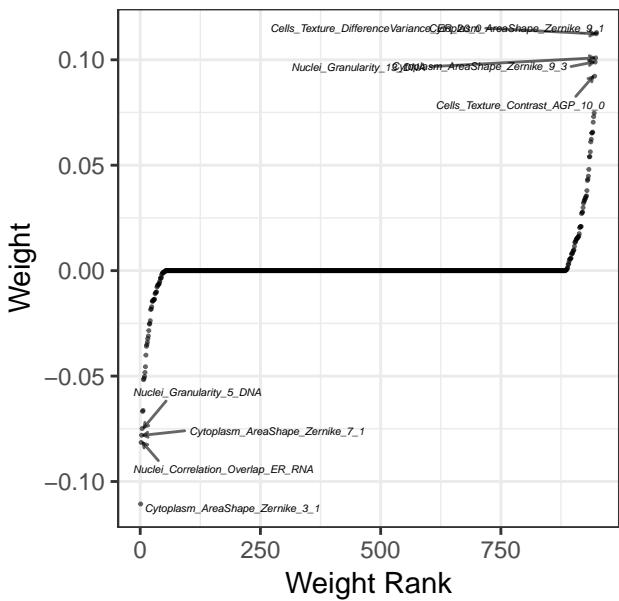


# Performance: vb\_live\_cell\_area

Transform: raw

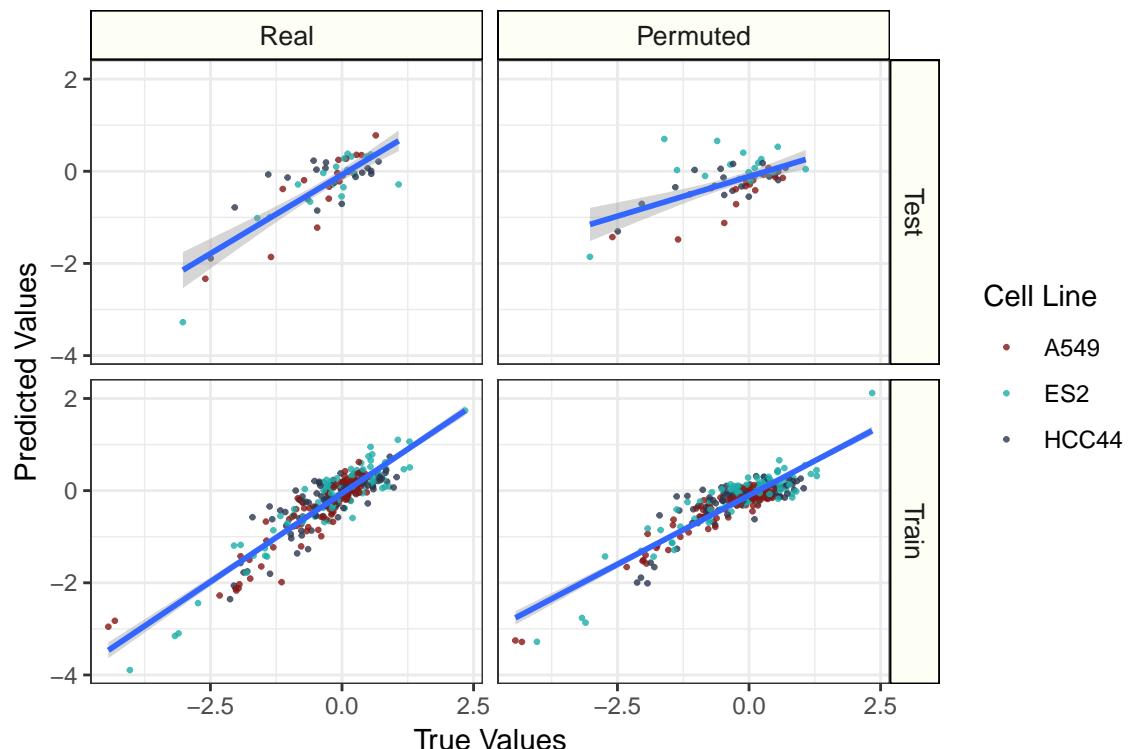


fit	shuffle	transform	r2	value
Train	Real	raw	0.83	0.15
Test	Real	raw	0.32	0.38
Train	Shuffle	raw	0.33	0.59
Test	Shuffle	raw	-0.14	0.63

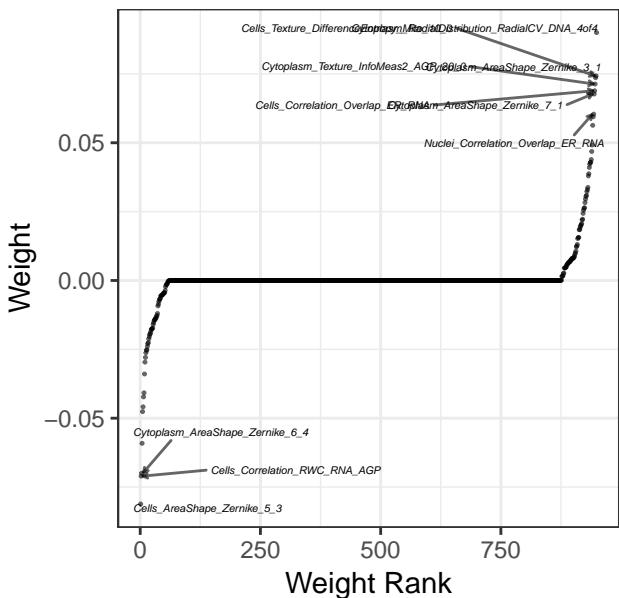


# Performance: vb\_live\_cell\_roundness

Transform: raw

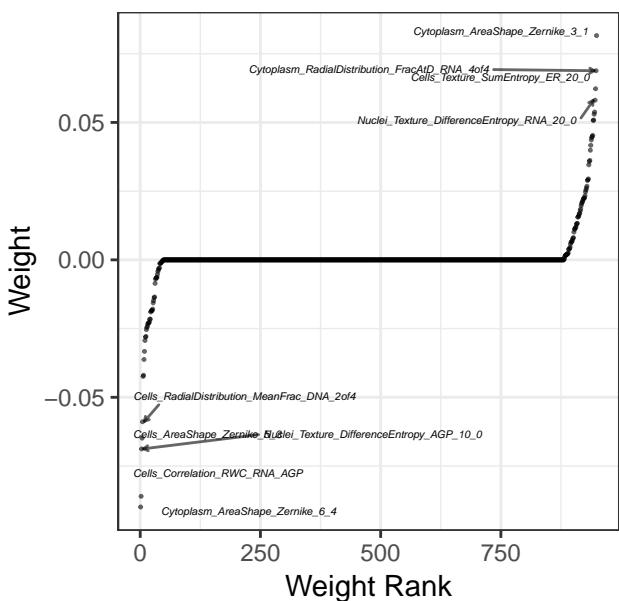
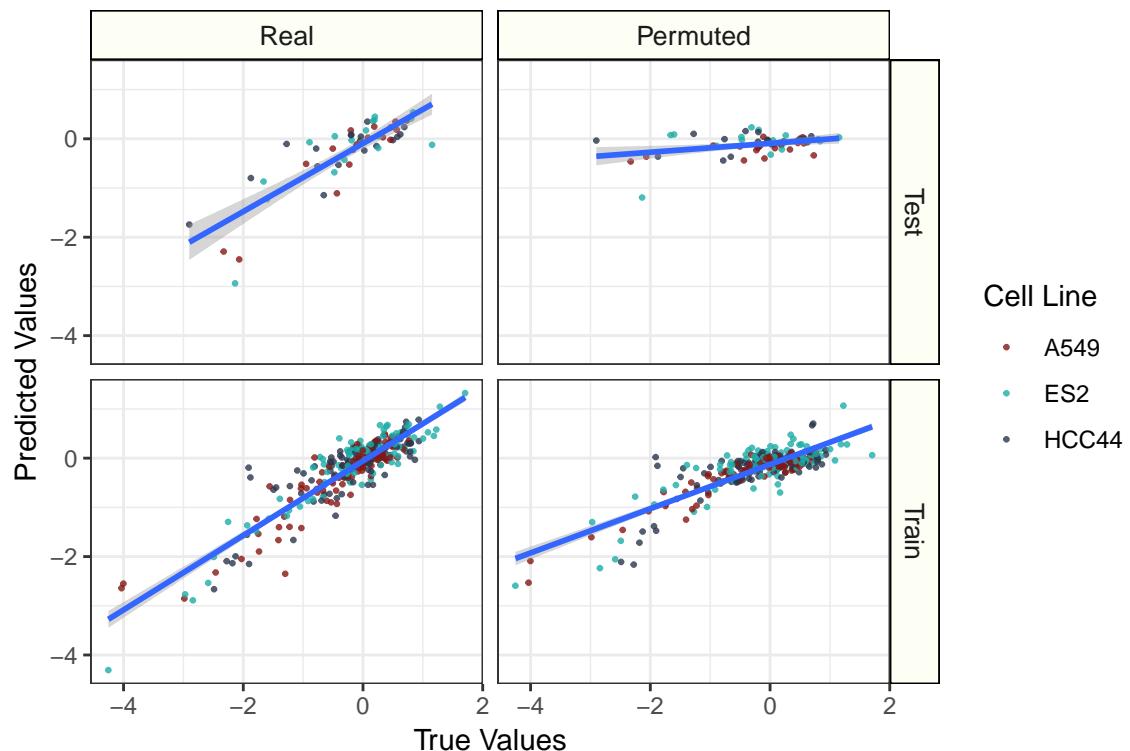


fit	shuffle	transform	r2	value
Train	Real	raw	0.82	0.13
Test	Real	raw	0.65	0.25
Train	Shuffle	raw	0.75	0.19
Test	Shuffle	raw	0.35	0.47



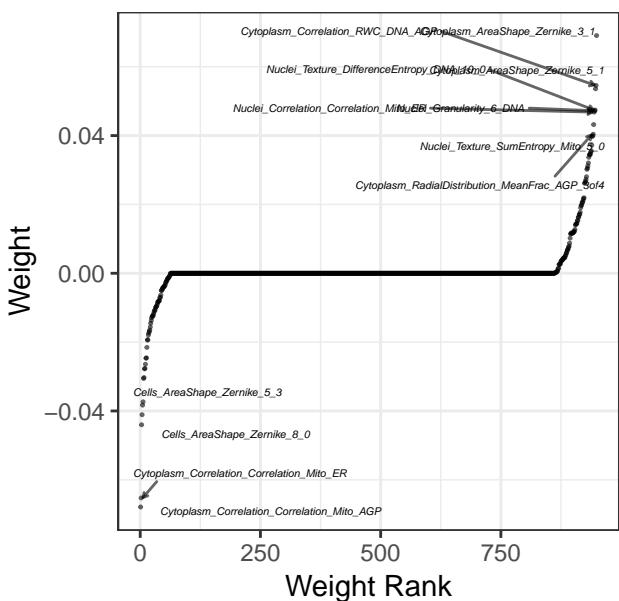
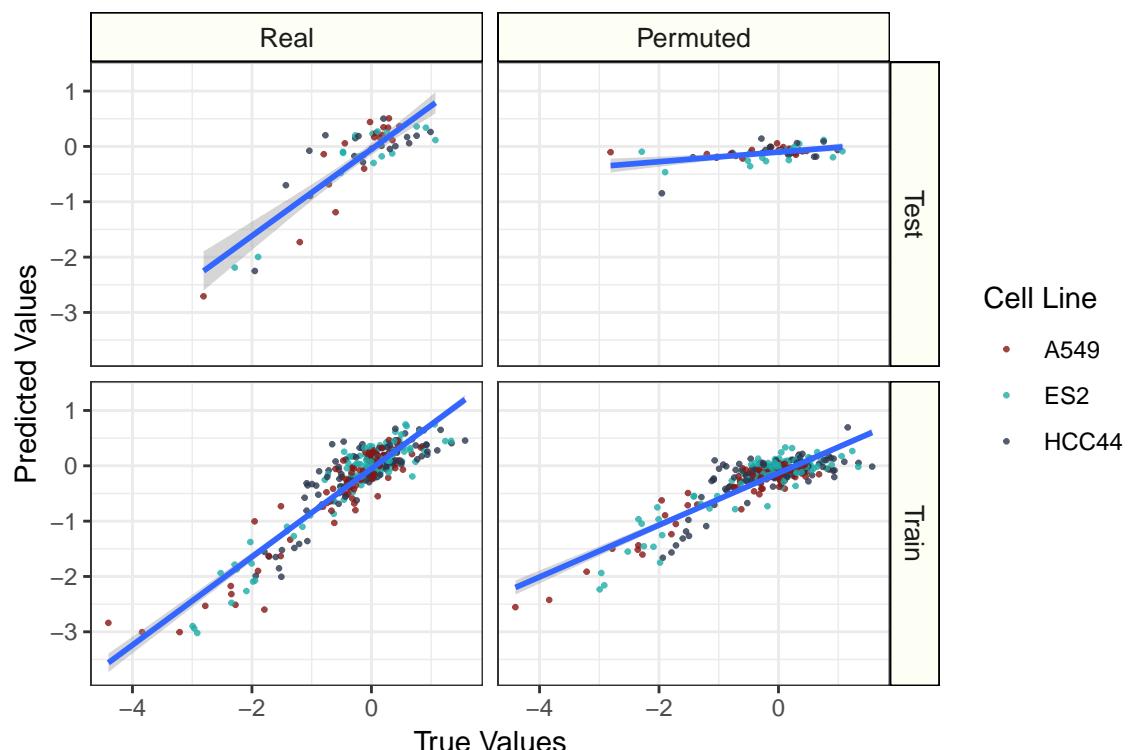
# Performance: vb\_live\_cell\_width\_length

Transform: raw



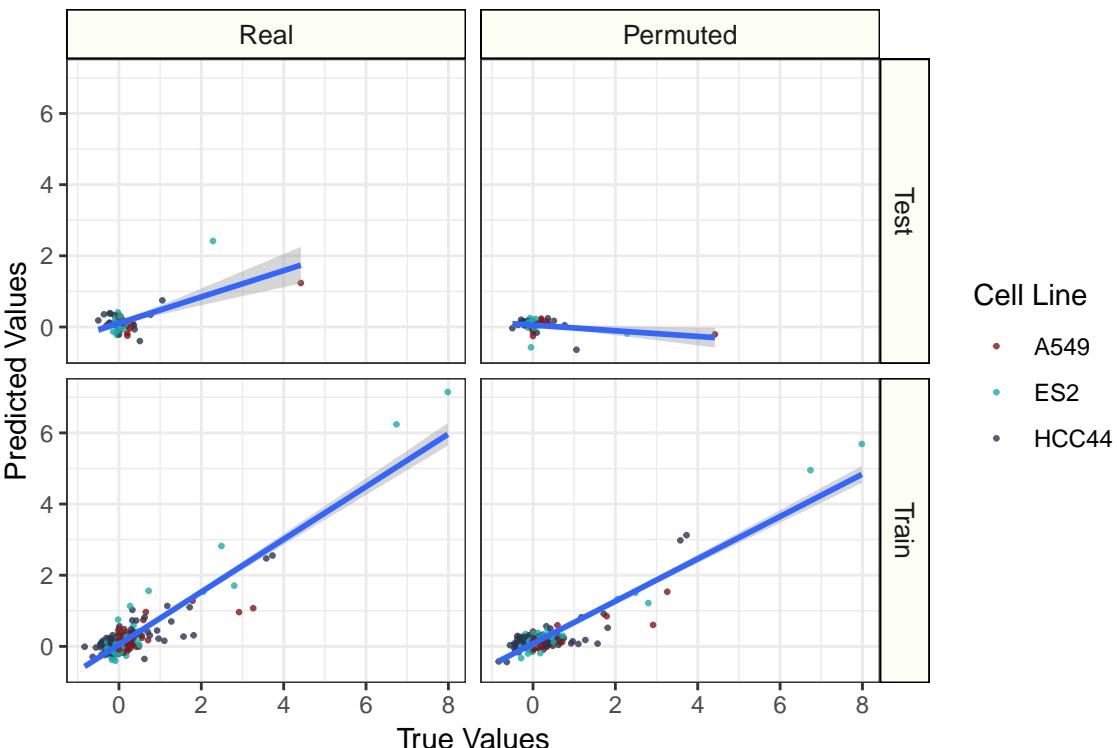
# Performance: vb\_num\_live\_cells

Transform: raw

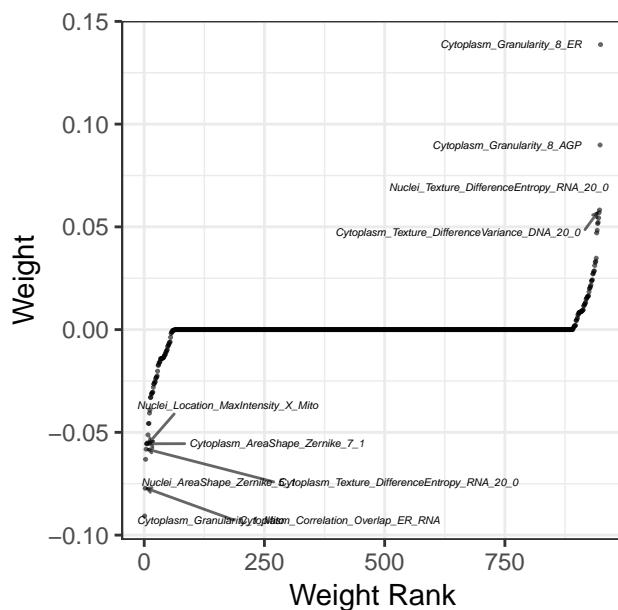


# Performance: vb\_percent\_all\_apoptosis

Transform: raw

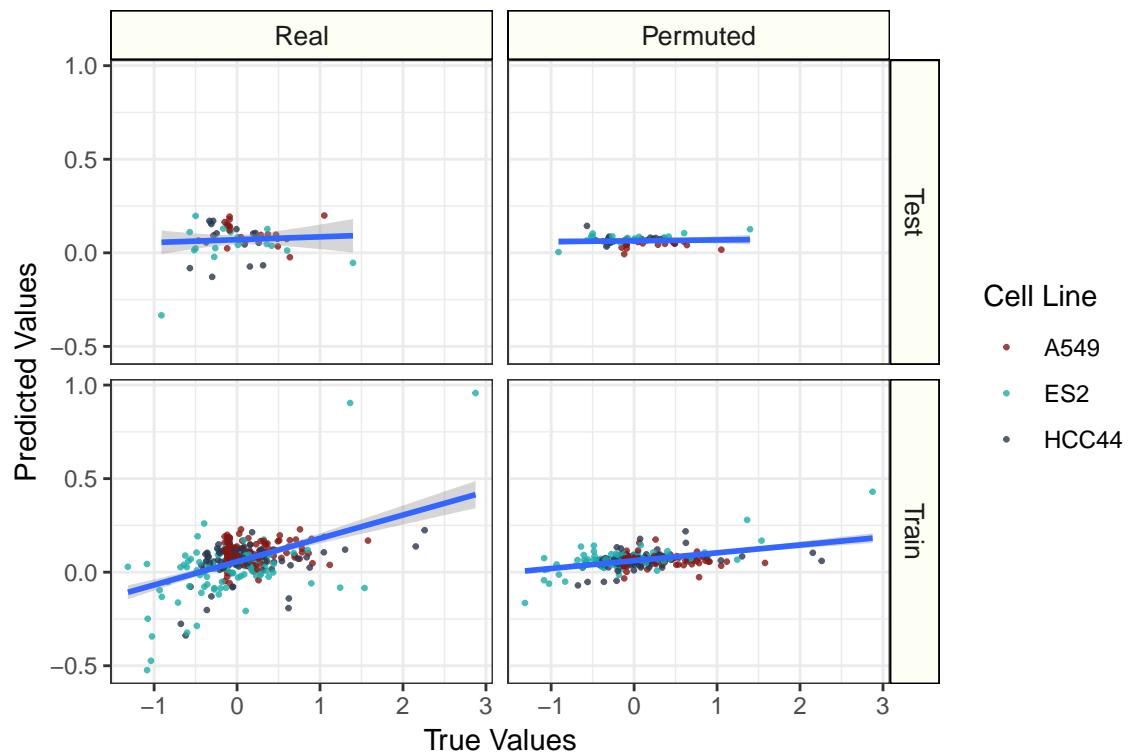


fit	shuffle	transform	r2	value
Train	Real	raw	0.81	0.12
Test	Real	raw	0.42	0.29
Train	Shuffle	raw	0.76	0.15
Test	Shuffle	raw	-0.24	0.62

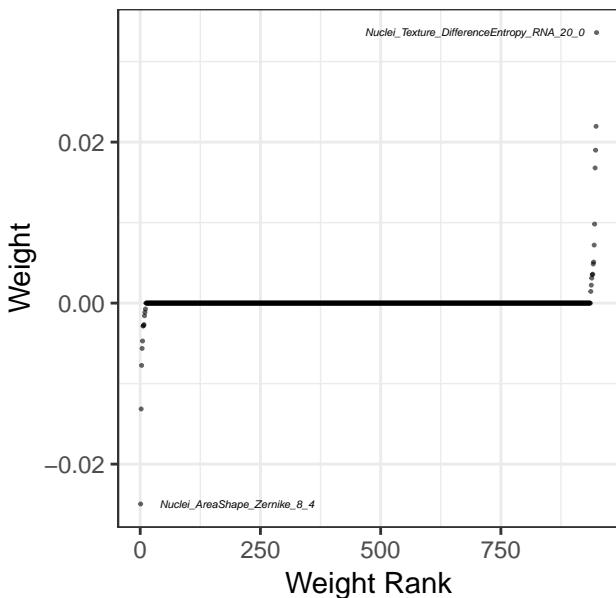


## Performance: vb\_percent\_caspase\_dead\_only

# Transform: raw

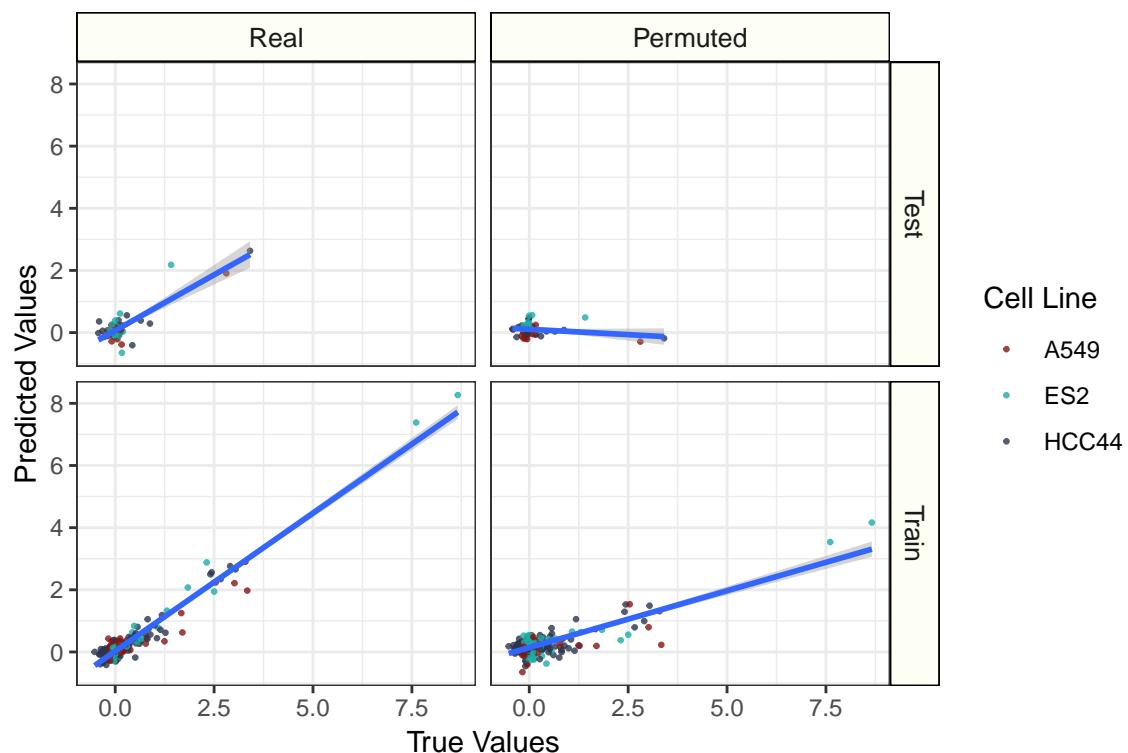


<b>fit</b>	<b>shuffle</b>	<b>transform</b>	<b>r2</b>	<b>value</b>
Train	Real	raw	0.18	0.19
Test	Real	raw	-0.03	0.18
Train	Shuffle	raw	0.08	0.22
Test	Shuffle	raw	-0.01	0.18

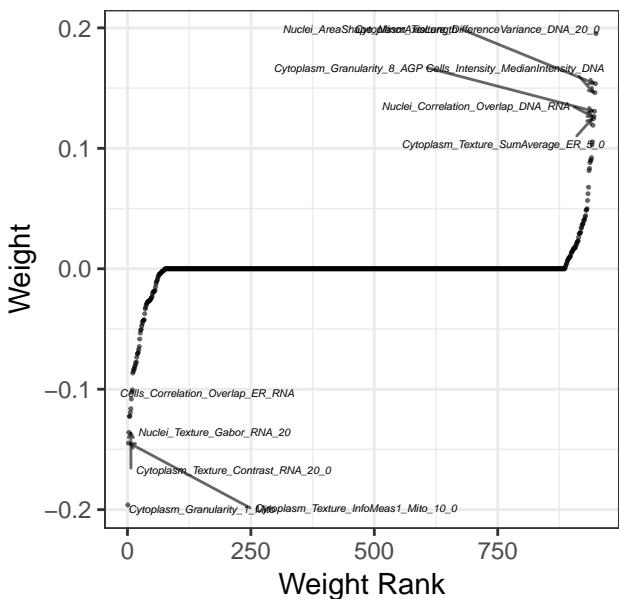


# Performance: vb\_percent\_dead

## Transform: raw

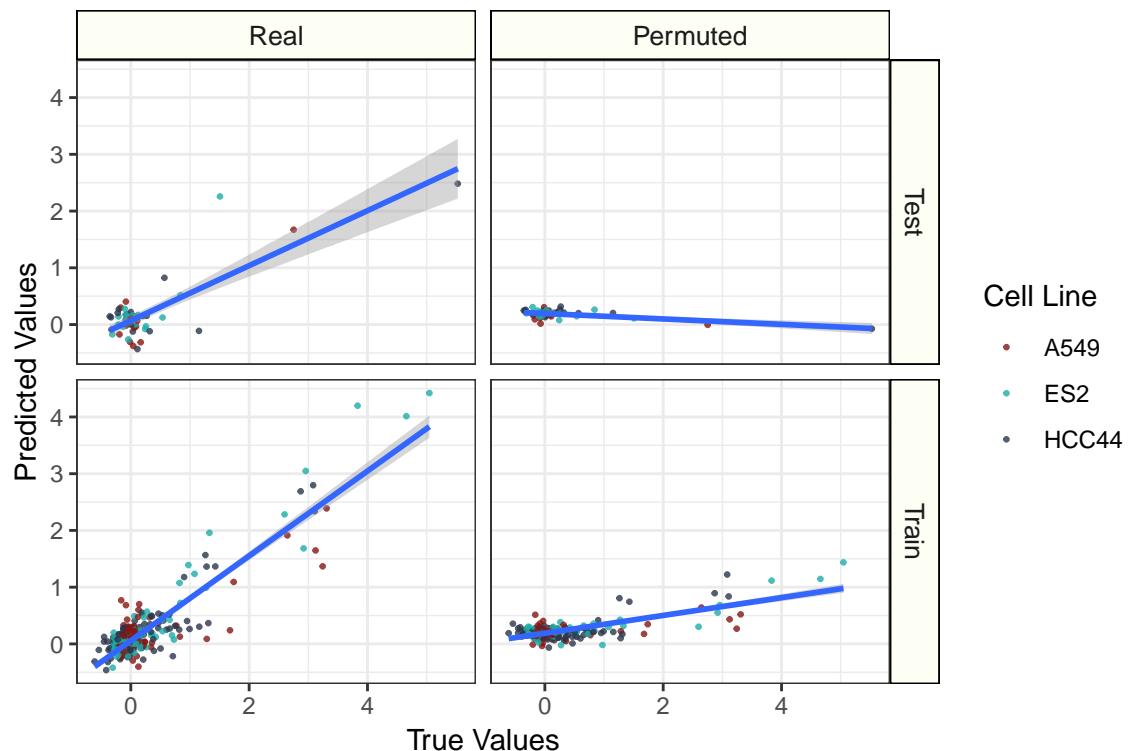


fit	shuffle	transform	r2	value
Train	Real	raw	0.93	0.05
Test	Real	raw	0.70	0.12
Train	Shuffle	raw	0.53	0.37
Test	Shuffle	raw	-0.23	0.52

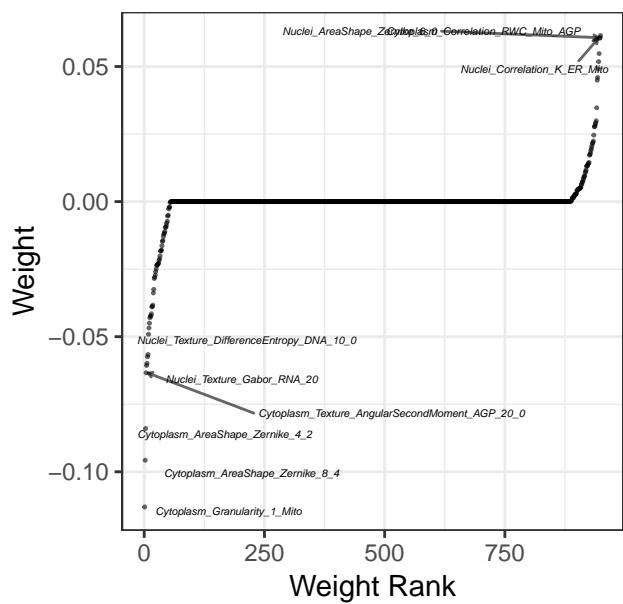


# Performance: vb\_percent\_dead\_only

Transform: raw

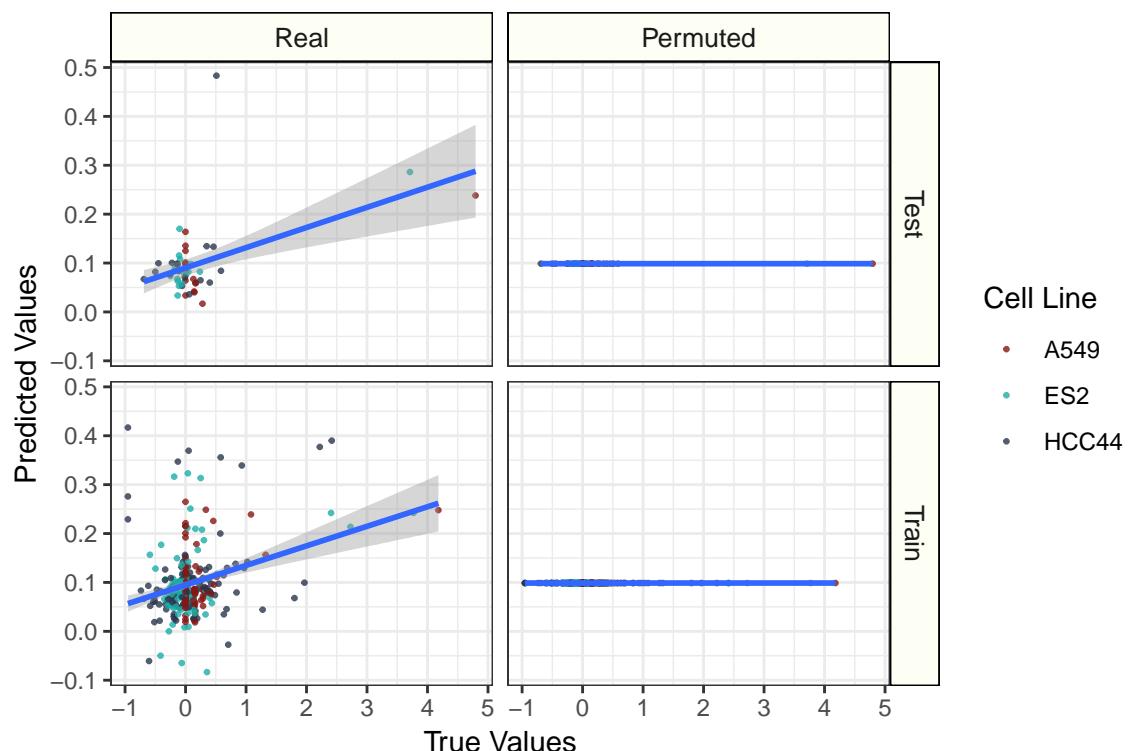


fit	shuffle	transform	r2	value
Train	Real	raw	0.81	0.11
Test	Real	raw	0.61	0.30
Train	Shuffle	raw	0.27	0.43
Test	Shuffle	raw	-0.10	0.85

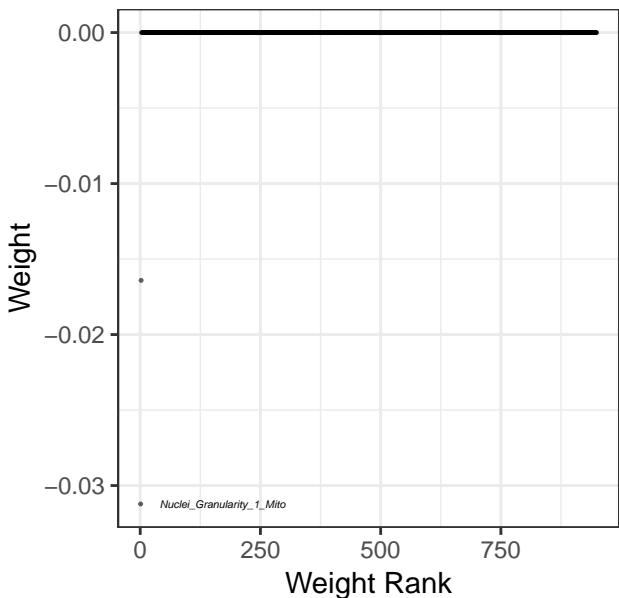


# Performance: vb\_percent\_early\_apoptosis

Transform: raw

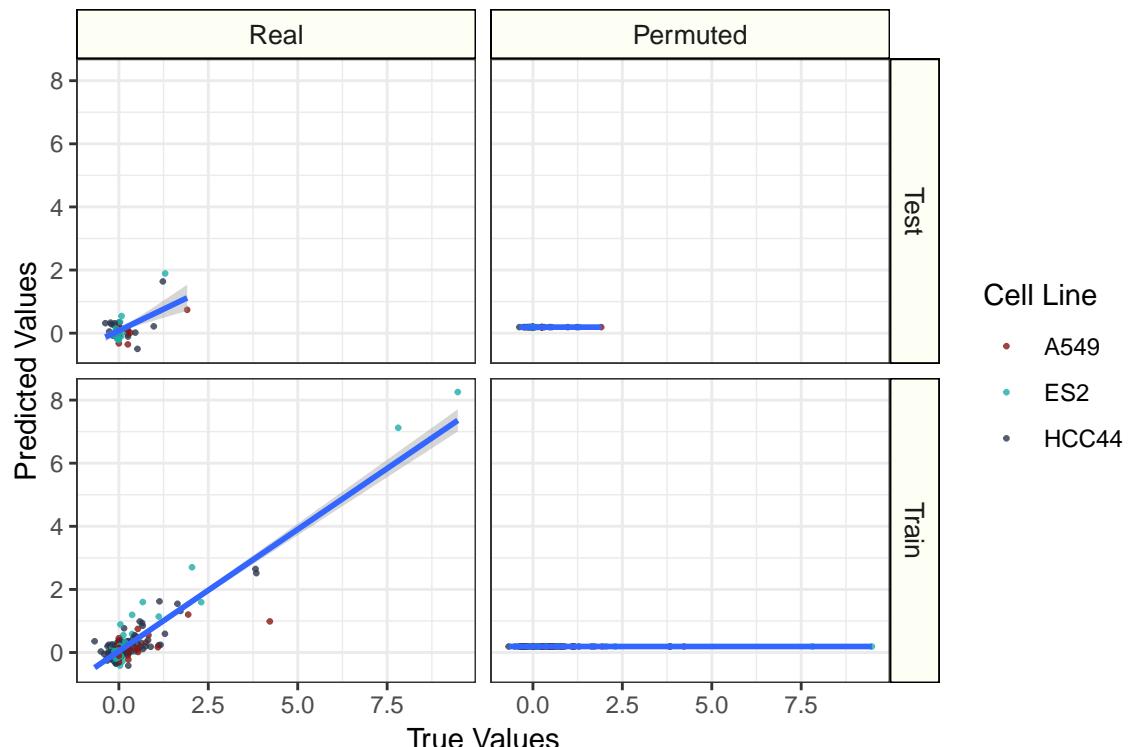


fit	shuffle	transform	r2	value
Train	Real	raw	0.06	0.27
Test	Real	raw	0.07	0.66
Train	Shuffle	raw	0.00	0.29
Test	Shuffle	raw	0.00	0.71

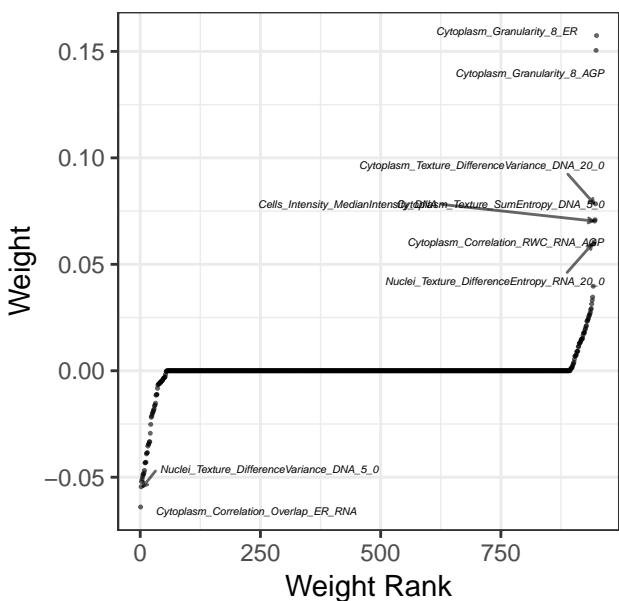


# Performance: vb\_percent\_late\_apoptosis

Transform: raw

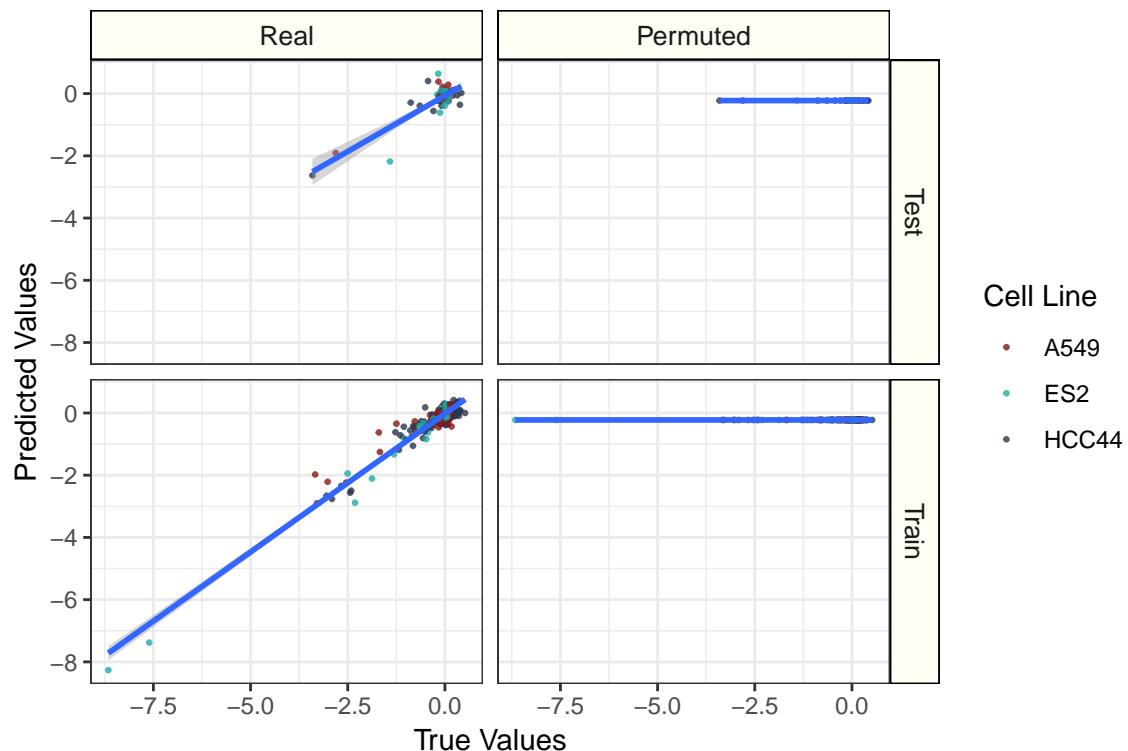


fit	shuffle	transform	r2	value
Train	Real	raw	0.84	0.12
Test	Real	raw	0.13	0.14
Train	Shuffle	raw	0.00	0.75
Test	Shuffle	raw	-0.04	0.16

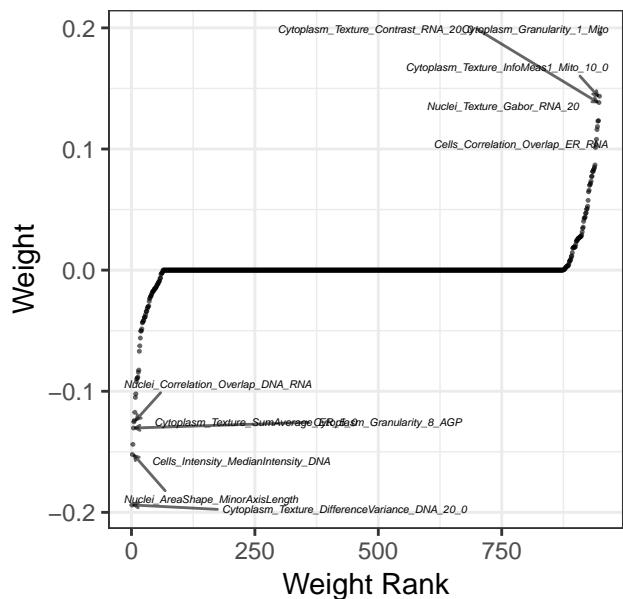


# Performance: vb\_percent\_live

Transform: raw

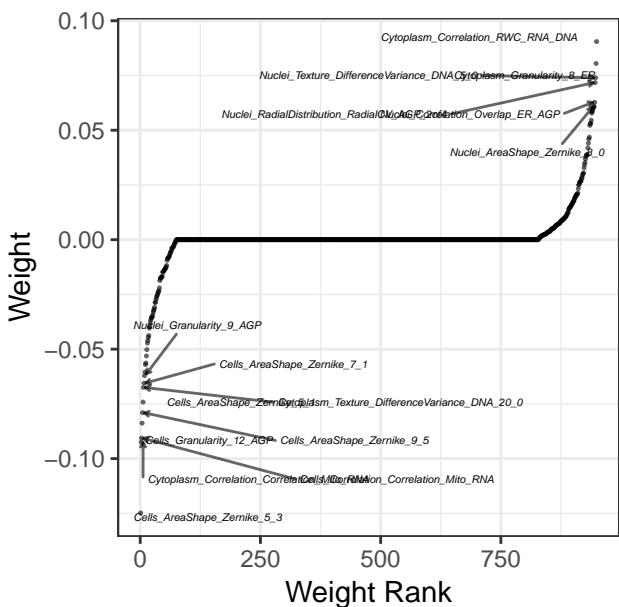
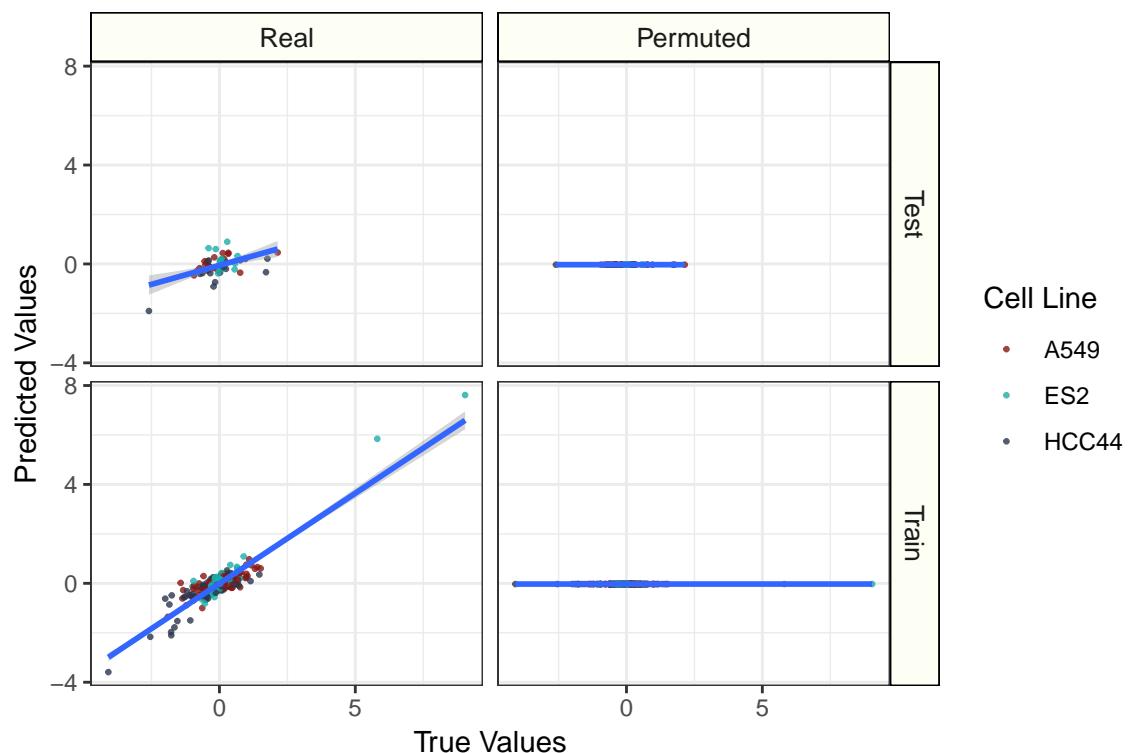


fit	shuffle	transform	r2	value
Train	Real	raw	0.93	0.05
Test	Real	raw	0.71	0.12
Train	Shuffle	raw	0.00	0.78
Test	Shuffle	raw	-0.01	0.42



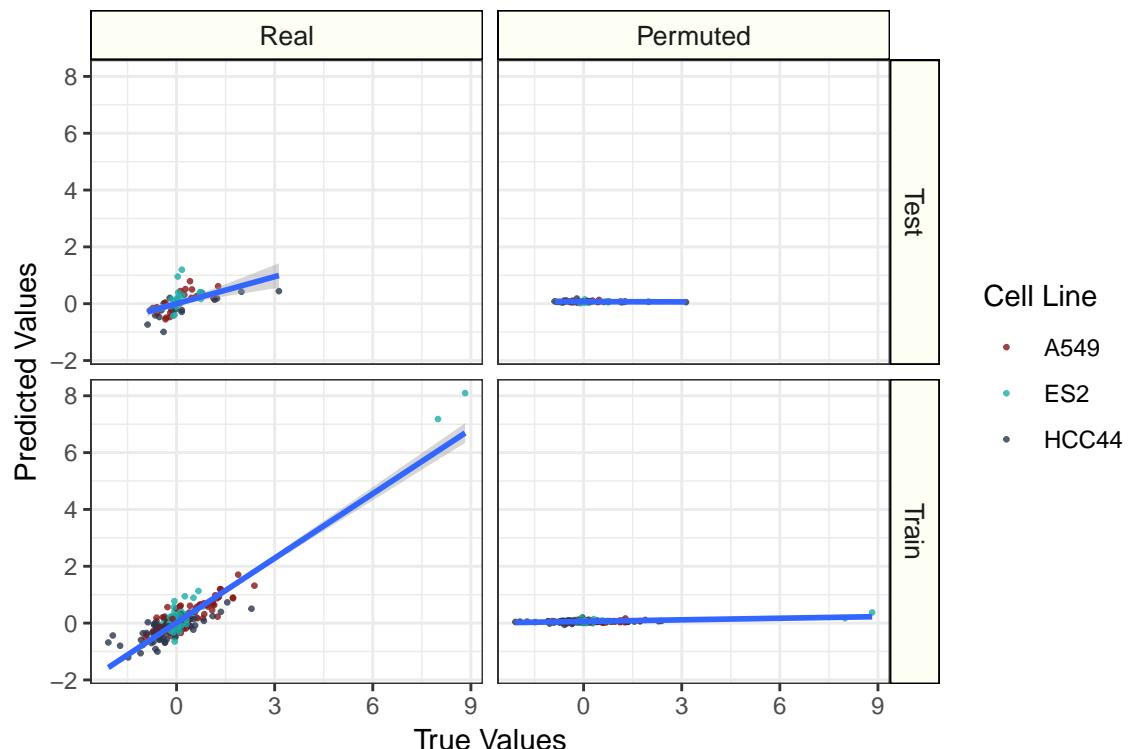
# Performance: vb\_ros\_back\_mean

Transform: raw



# Performance: vb\_ros\_mean

Transform: raw



fit	shuffle	transform	r2	value
Train	Real	raw	0.83	0.14
Test	Real	raw	0.27	0.37
Train	Shuffle	raw	0.04	0.79
Test	Shuffle	raw	-0.02	0.52

