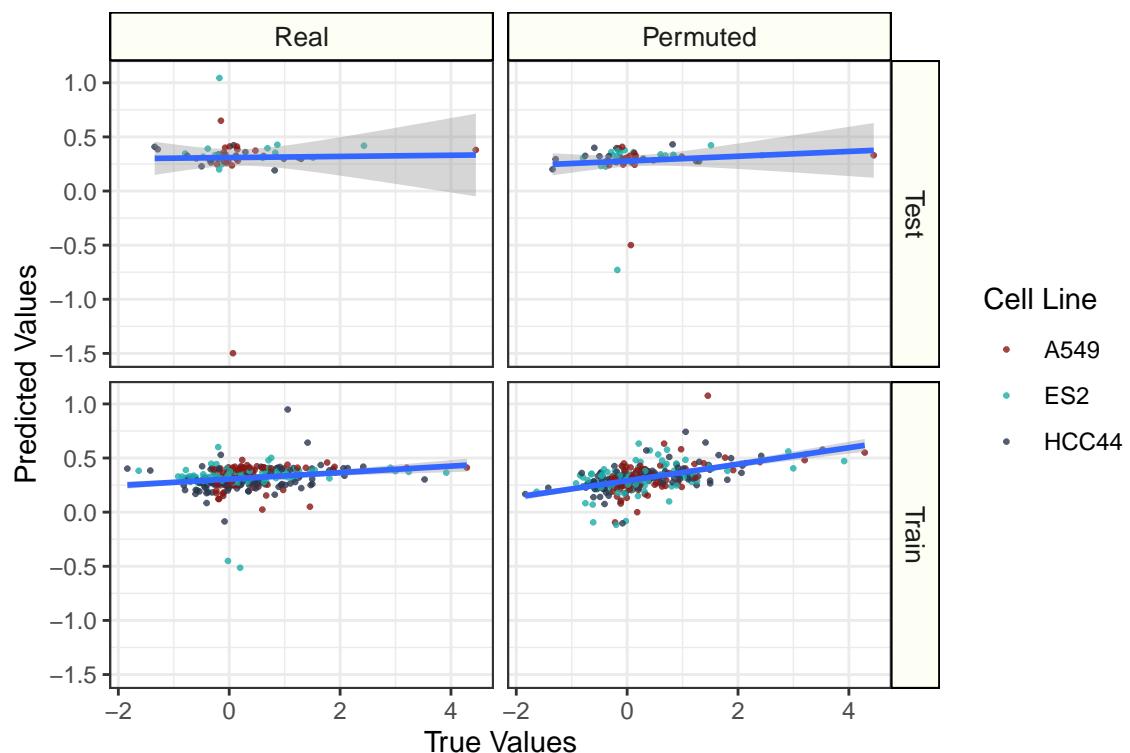
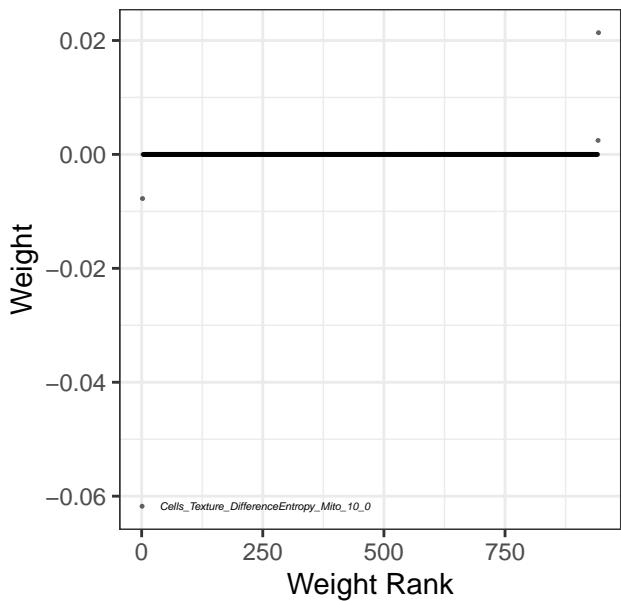


Performance: cc_all_high_h2ax

Transform: raw

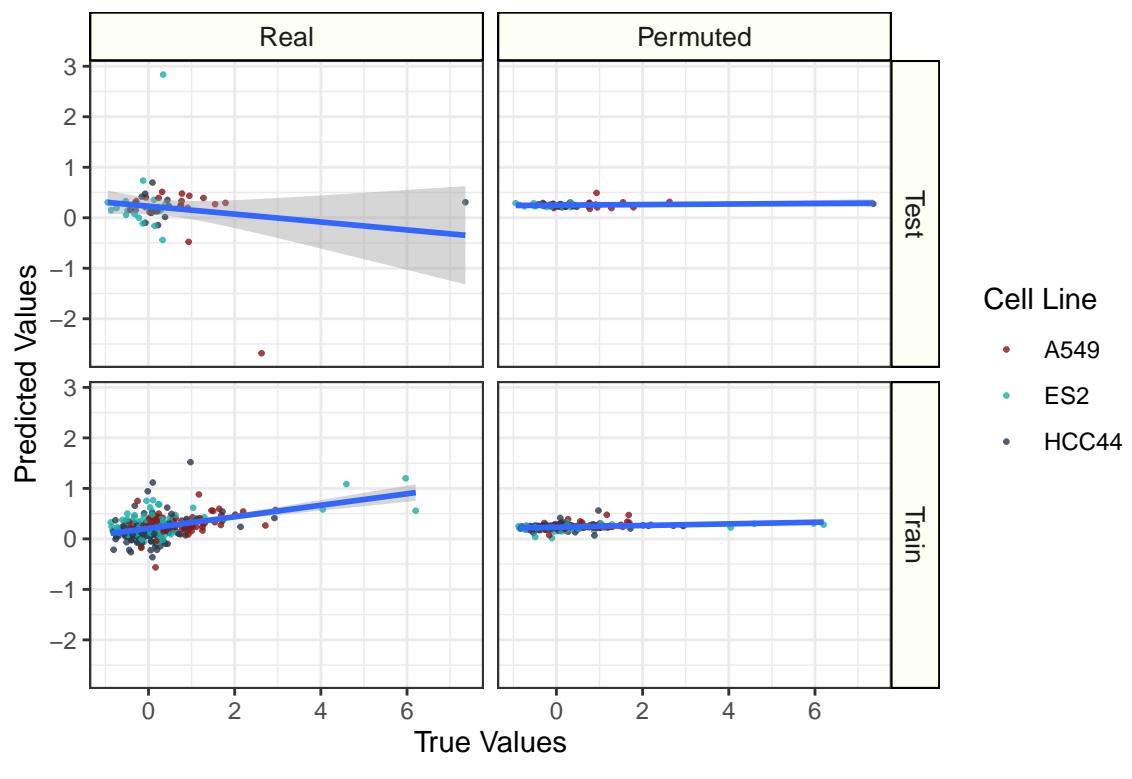


fit	shuffle	transform	r2	value
Train	Real	raw	0.04	0.66
Test	Real	raw	-0.11	0.86
Train	Shuffle	raw	0.13	0.60
Test	Shuffle	raw	-0.01	0.78

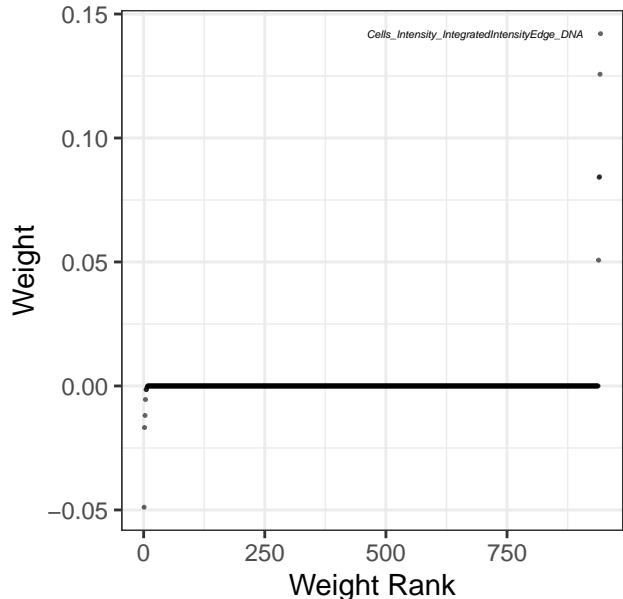


Performance: cc_all_large_notround_polynuclear_mean

Transform: raw

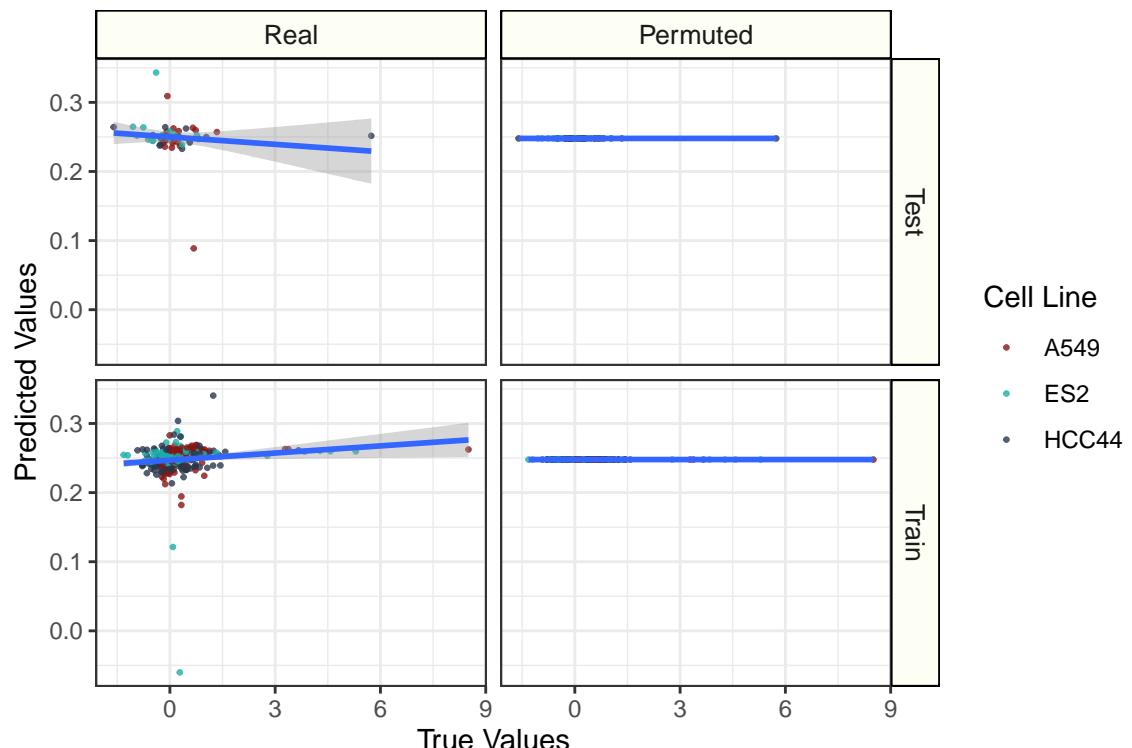


fit	shuffle	transform	r2	value
Train	Real	raw	0.16	0.62
Test	Real	raw	-0.42	1.89
Train	Shuffle	raw	0.03	0.71
Test	Shuffle	raw	0.00	1.33

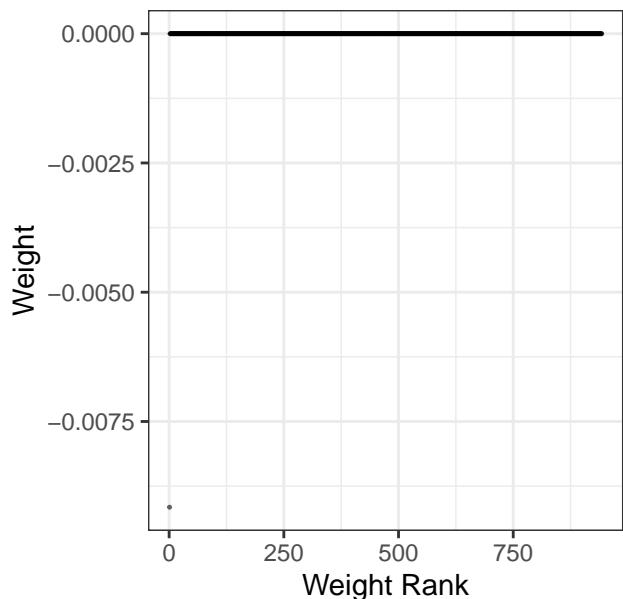


Performance: cc_all_large_round_polyplloid_mean

Transform: raw

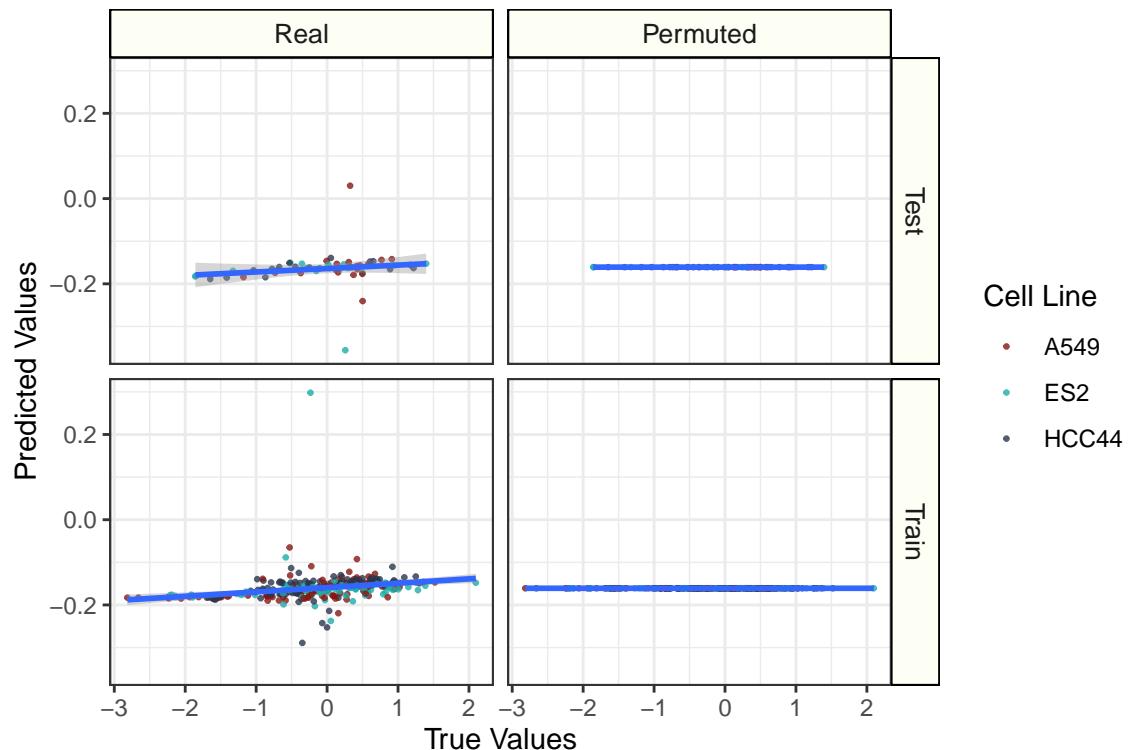


fit	shuffle	transform	r2	value
Train	Real	raw	0.01	0.80
Test	Real	raw	-0.03	0.88
Train	Shuffle	raw	0.00	0.81
Test	Shuffle	raw	-0.02	0.88

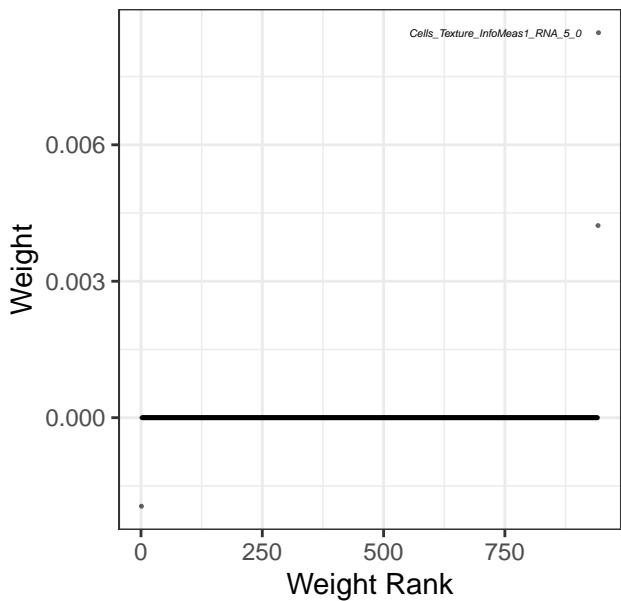


Performance: cc_all_n_objects

Transform: raw

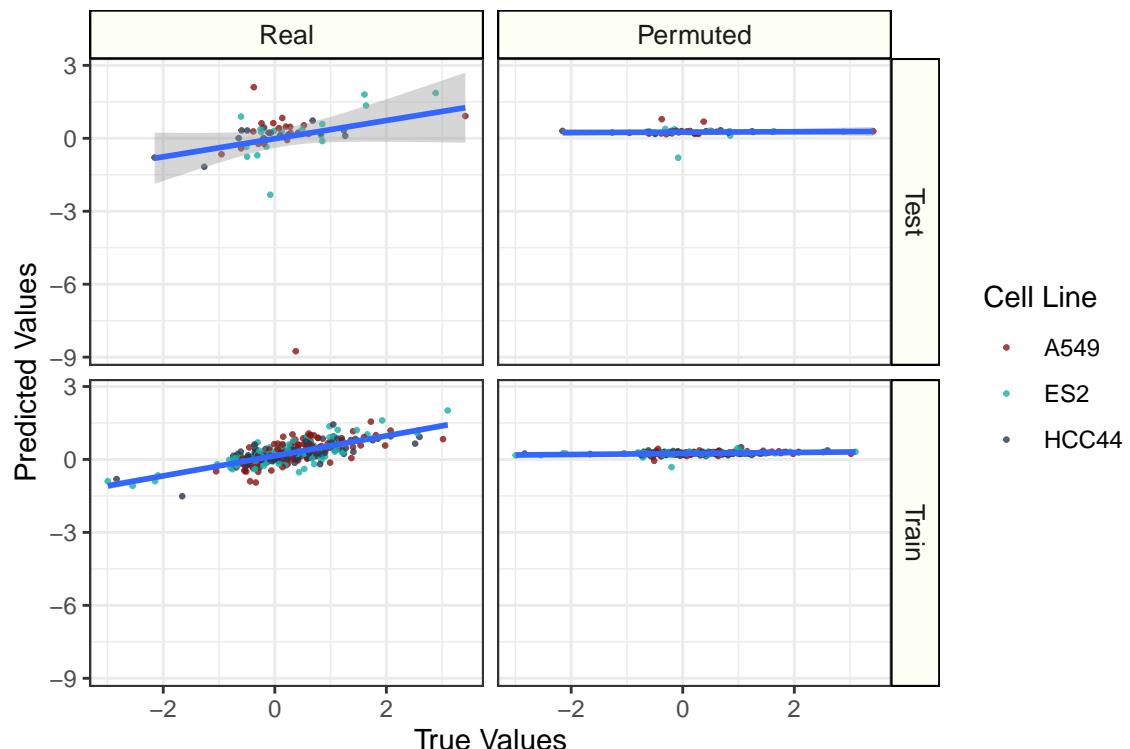


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.68
Test	Real	raw	-0.01	0.58
Train	Shuffle	raw	0.00	0.69
Test	Shuffle	raw	-0.02	0.58

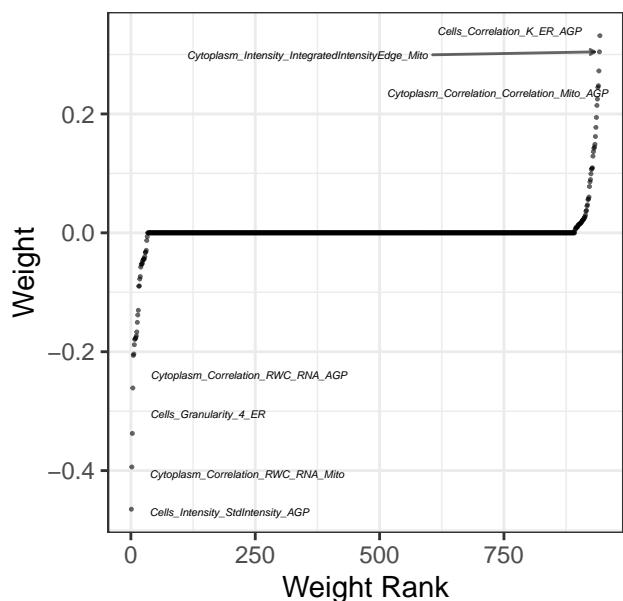


Performance: cc_all_n_spots_h2ax_mean

Transform: raw

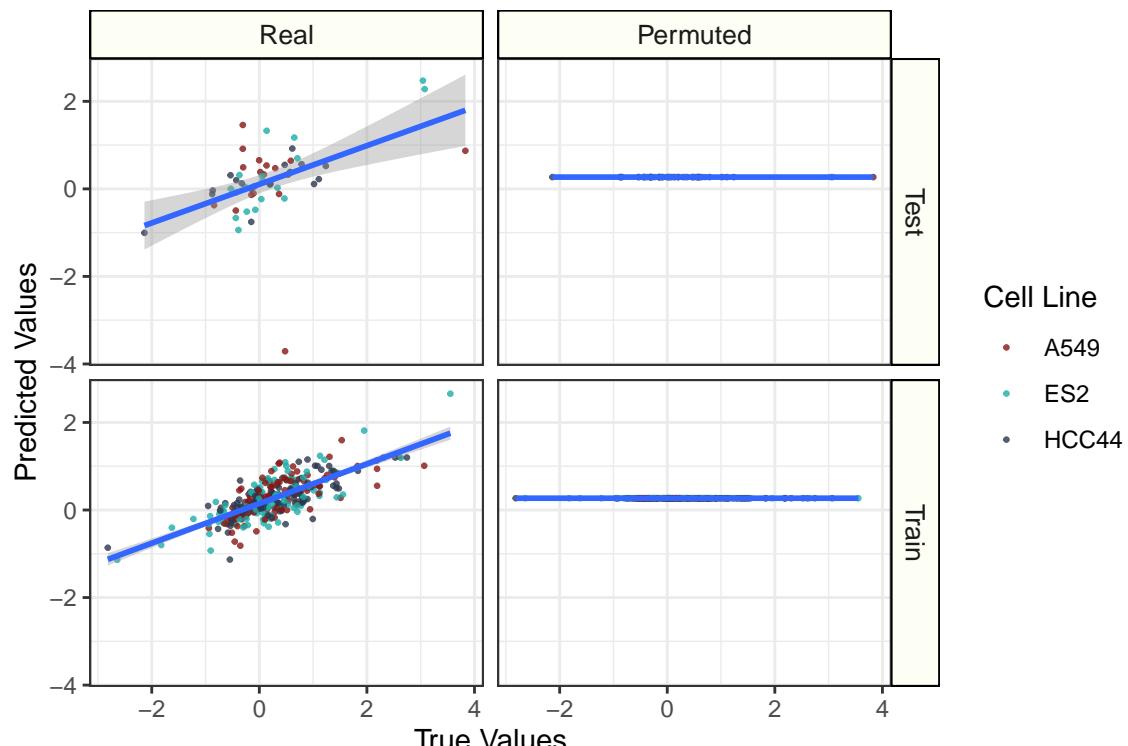


fit	shuffle	transform	r2	value
Train	Real	raw	0.51	0.33
Test	Real	raw	-1.76	2.16
Train	Shuffle	raw	0.04	0.65
Test	Shuffle	raw	-0.04	0.81

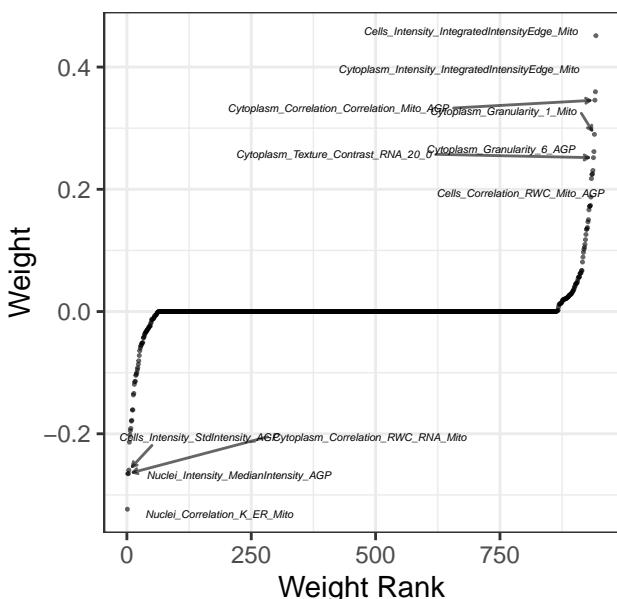


Performance: cc_all_n_spots_h2ax_per_nucleus_area_mean

Transform: raw

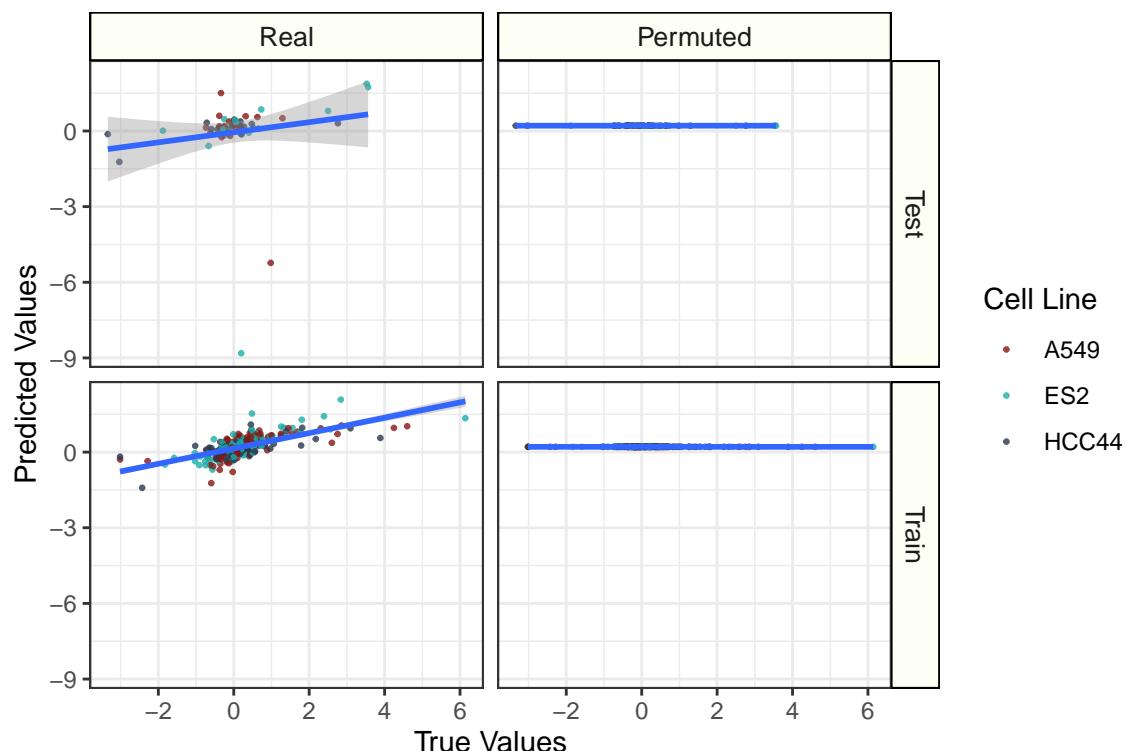


fit	shuffle	transform	r2	value
Train	Real	raw	0.55	0.28
Test	Real	raw	0.08	0.82
Train	Shuffle	raw	0.00	0.62
Test	Shuffle	raw	0.00	0.90

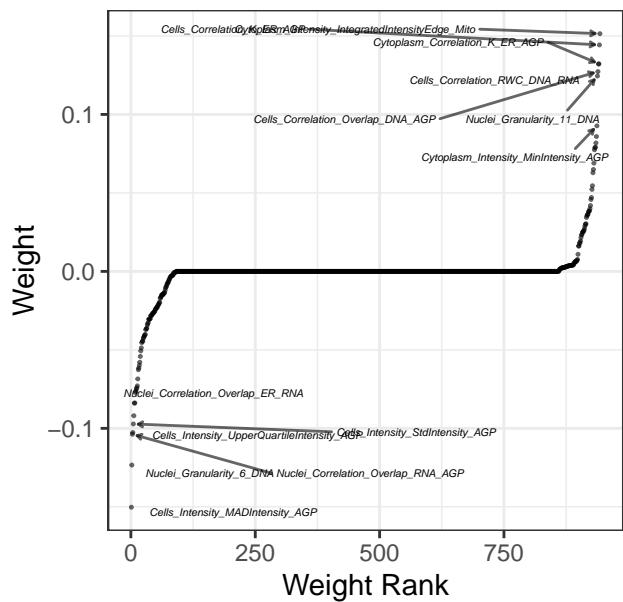


Performance: cc_all_nucleus_area_mean

Transform: raw

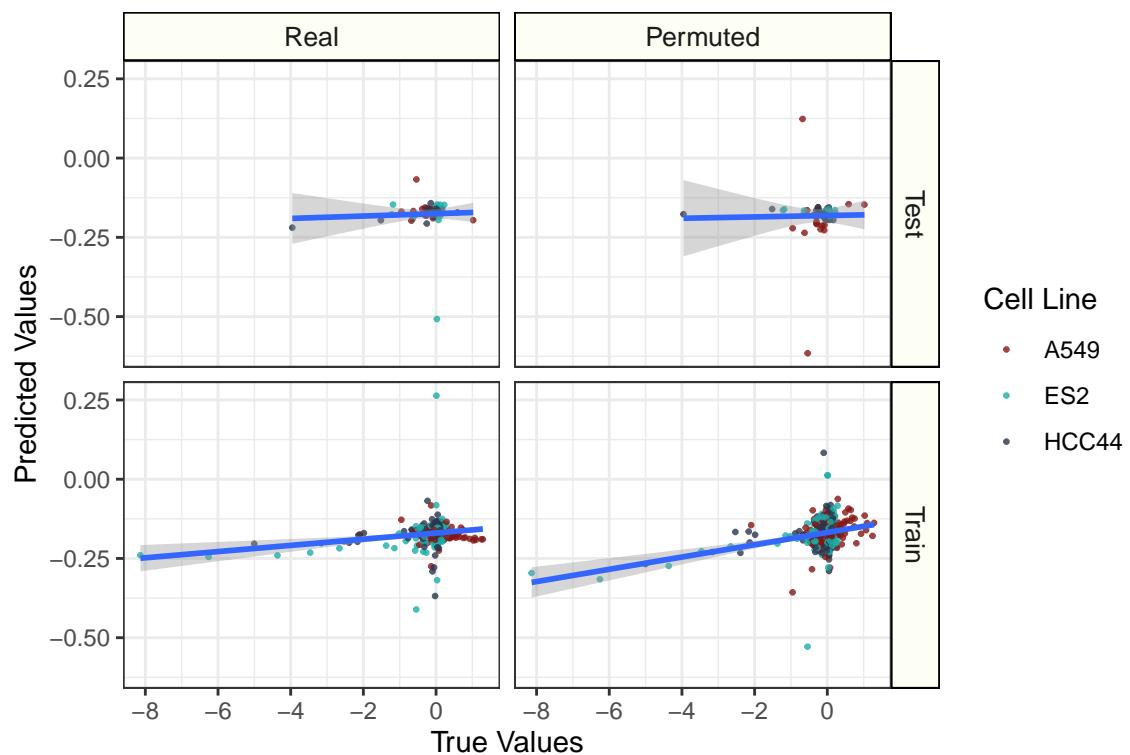


fit	shuffle	transform	r2	value
Train	Real	raw	0.41	0.50
Test	Real	raw	-1.29	3.03
Train	Shuffle	raw	0.00	0.85
Test	Shuffle	raw	-0.01	1.34

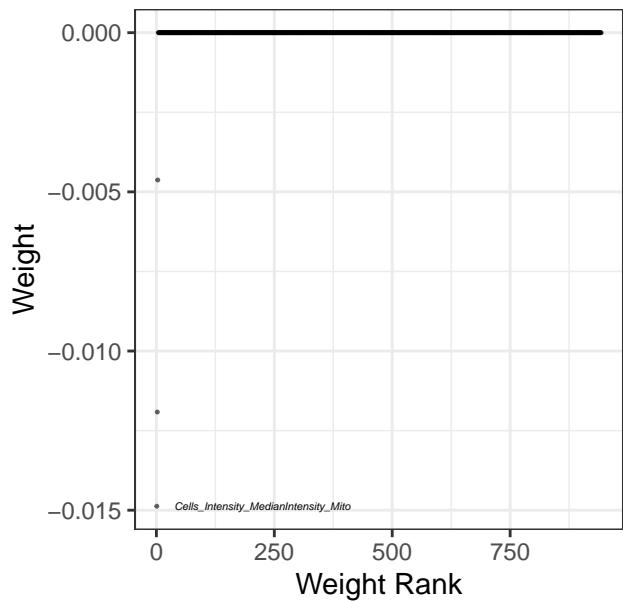


Performance: cc_all_nucleus_roundness_mean

Transform: raw

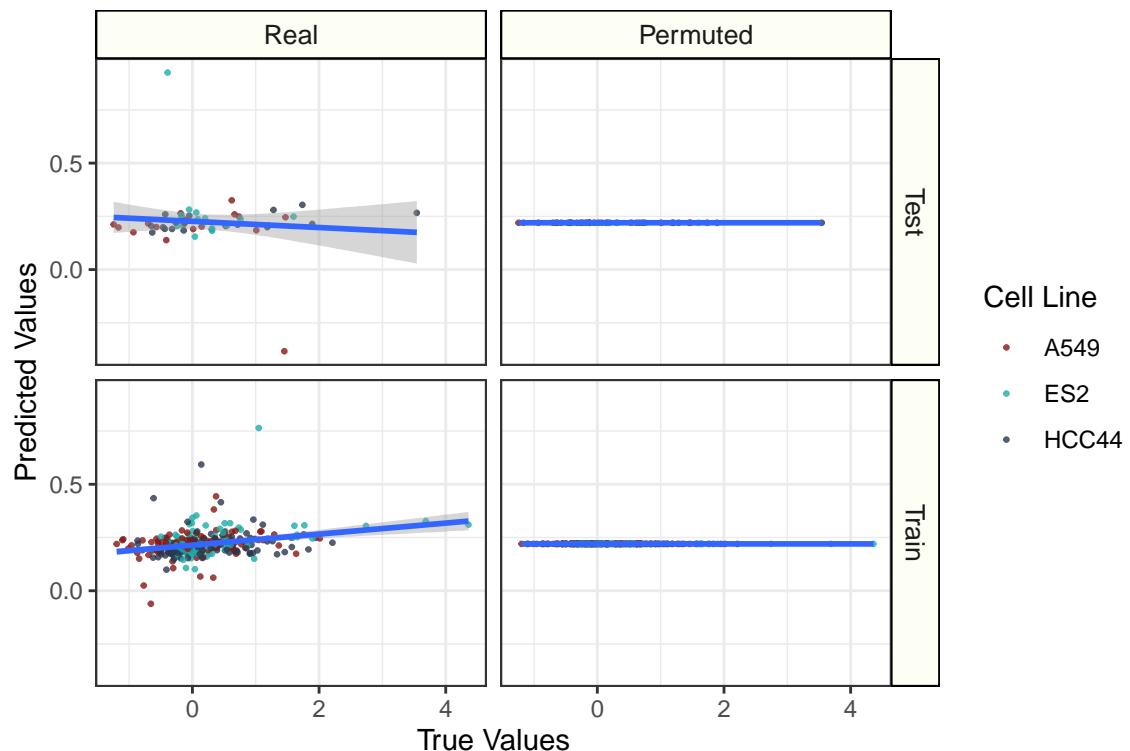


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.75
Test	Real	raw	-0.01	0.43
Train	Shuffle	raw	0.04	0.74
Test	Shuffle	raw	-0.02	0.44

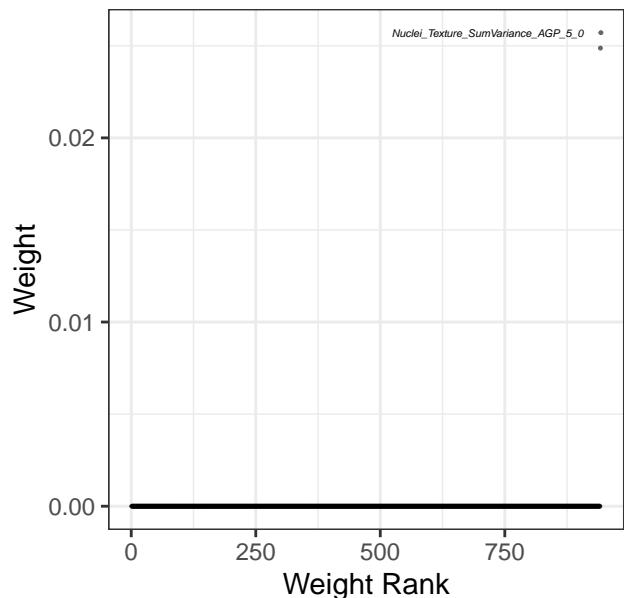


Performance: cc_cc_early_mitosis

Transform: raw

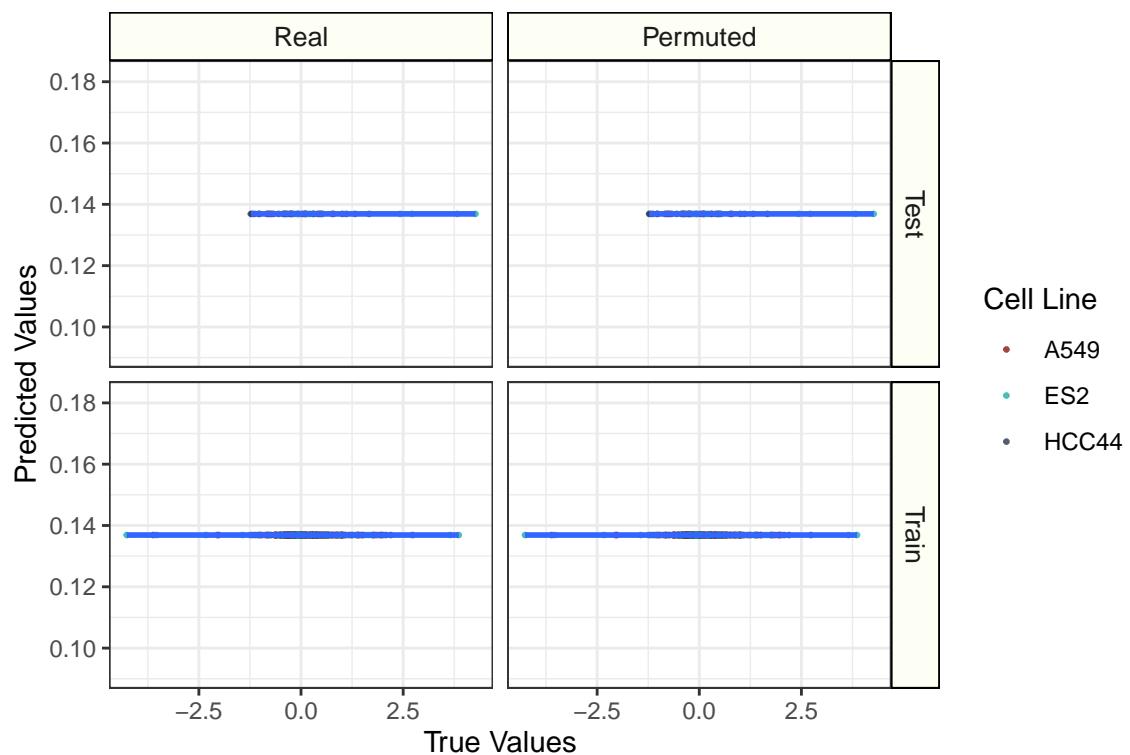


fit	shuffle	transform	r2	value
Train	Real	raw	0.04	0.46
Test	Real	raw	-0.05	0.76
Train	Shuffle	raw	0.00	0.48
Test	Shuffle	raw	0.00	0.72

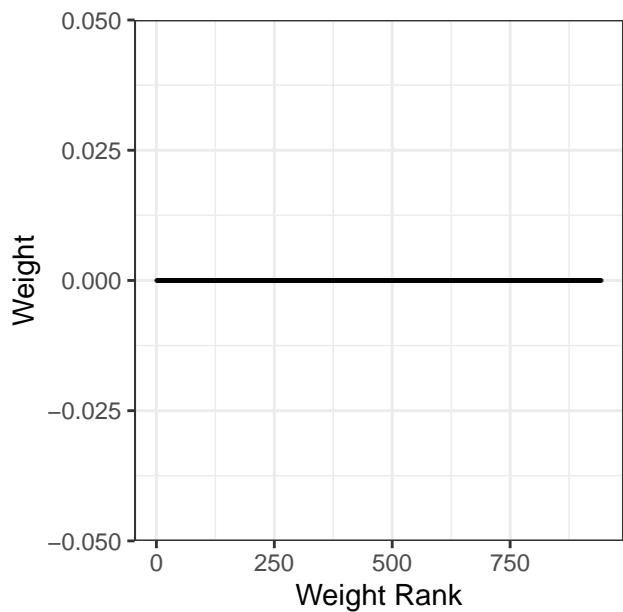


Performance: cc_cc_g1

Transform: raw

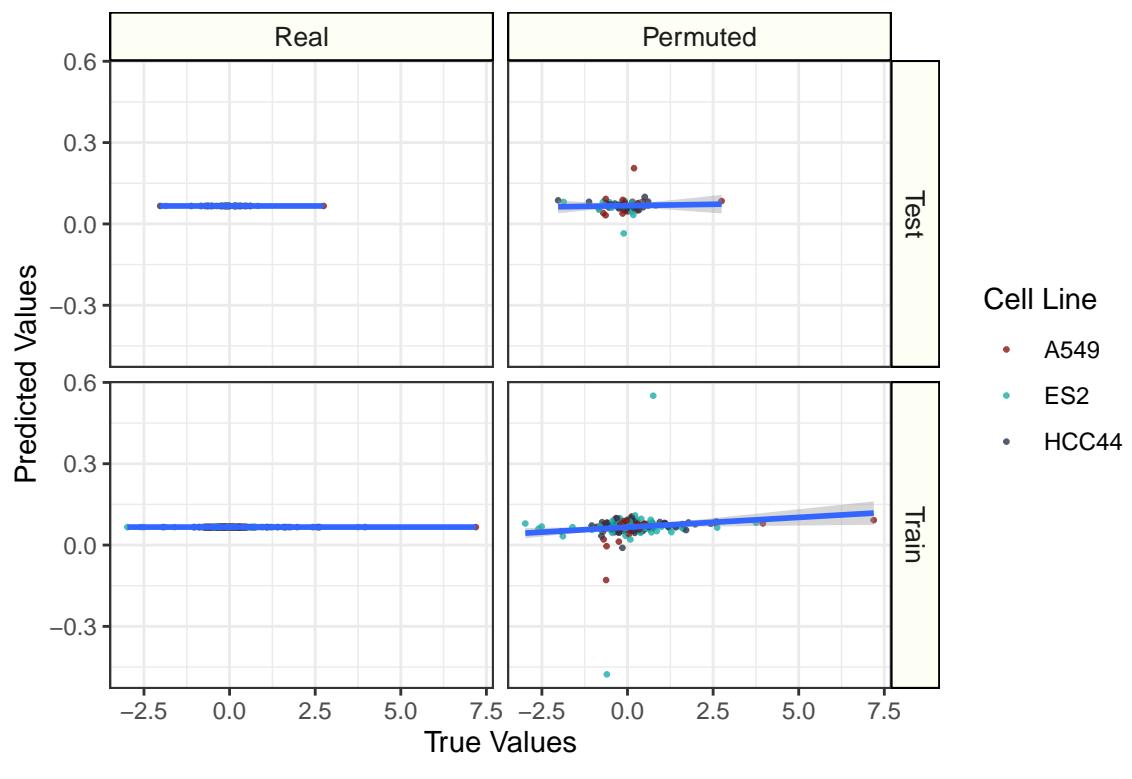


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.71
Test	Real	raw	0	1.21
Train	Shuffle	raw	0	0.71
Test	Shuffle	raw	0	1.21

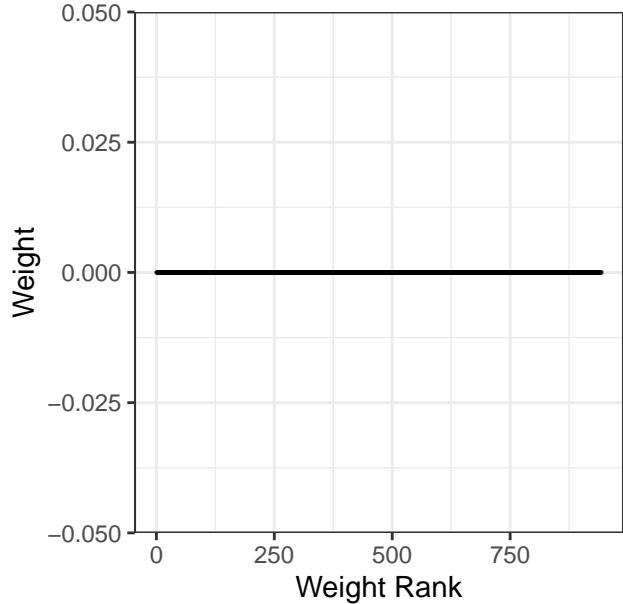


Performance: cc_cc_g2

Transform: raw

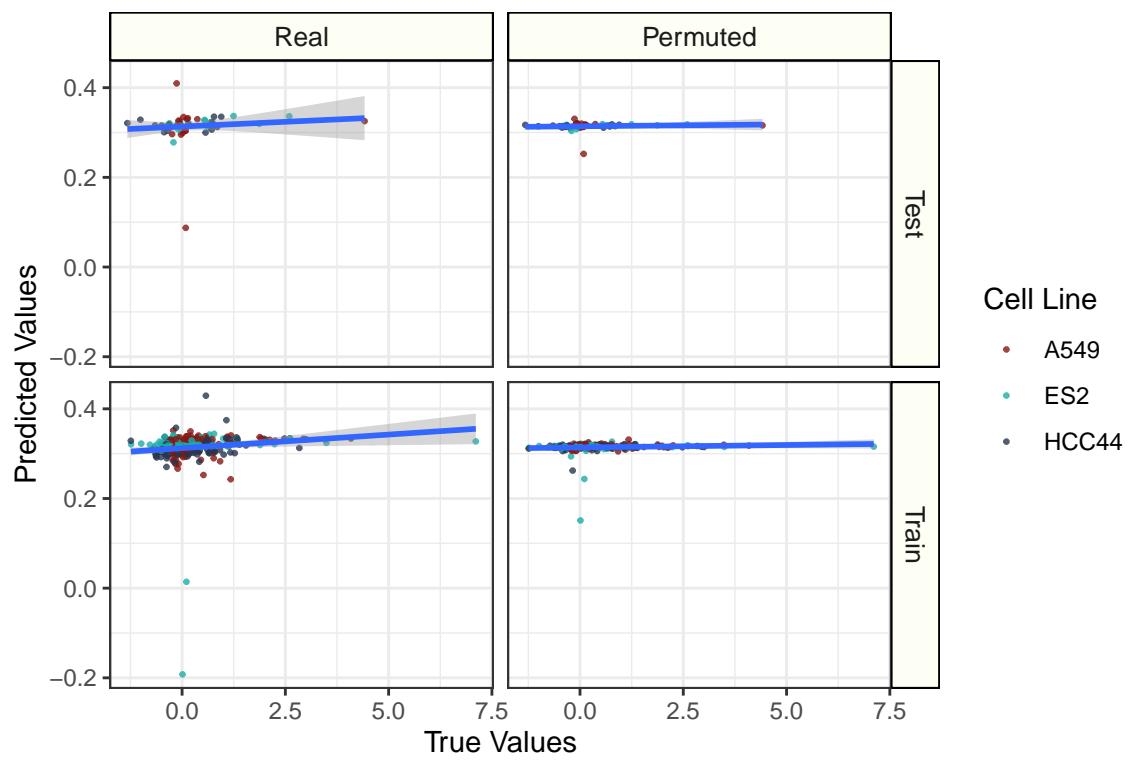


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.73
Test	Real	raw	-0.06	0.47
Train	Shuffle	raw	0.01	0.72
Test	Shuffle	raw	-0.06	0.47

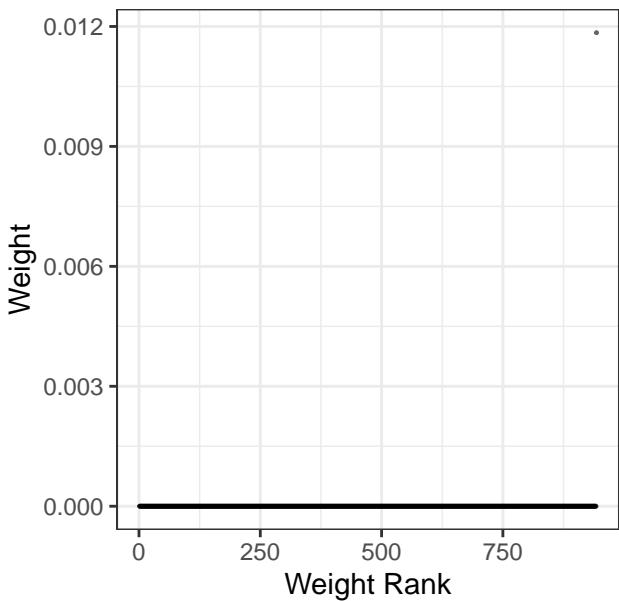


Performance: cc_cc_high_h2ax

Transform: raw

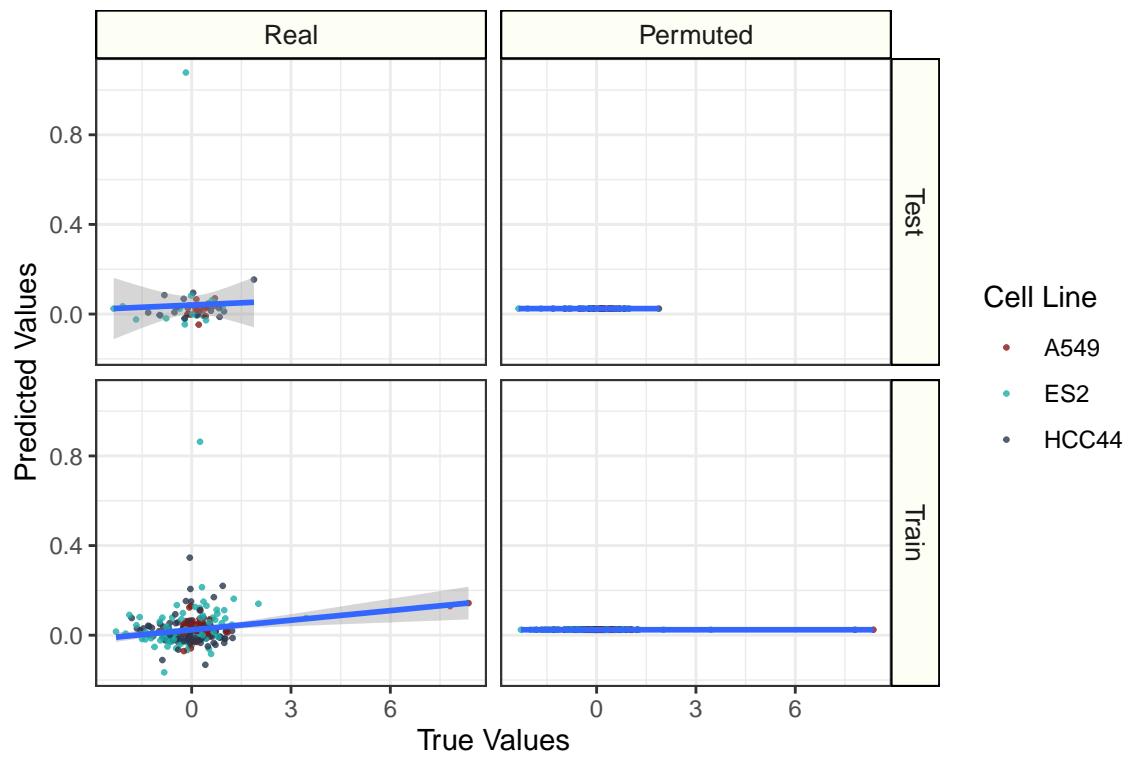


fit	shuffle	transform	r2	value
Train	Real	raw	0.01	0.73
Test	Real	raw	-0.01	0.75
Train	Shuffle	raw	0.00	0.73
Test	Shuffle	raw	-0.02	0.75

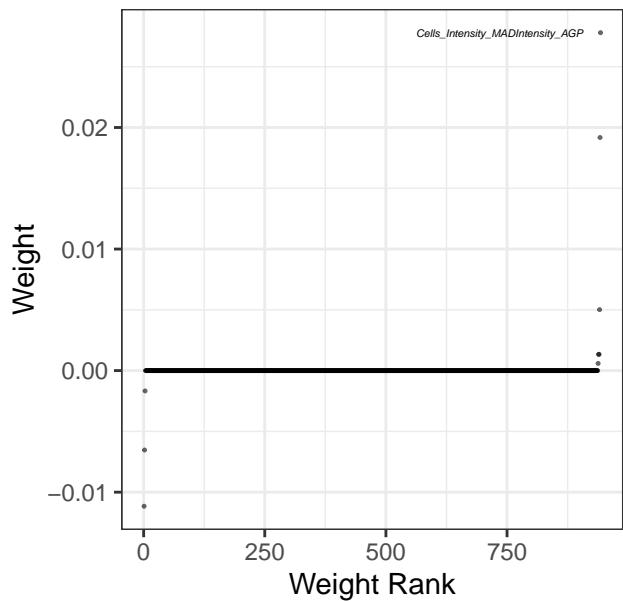


Performance: cc_cc_late_mitosis

Transform: raw

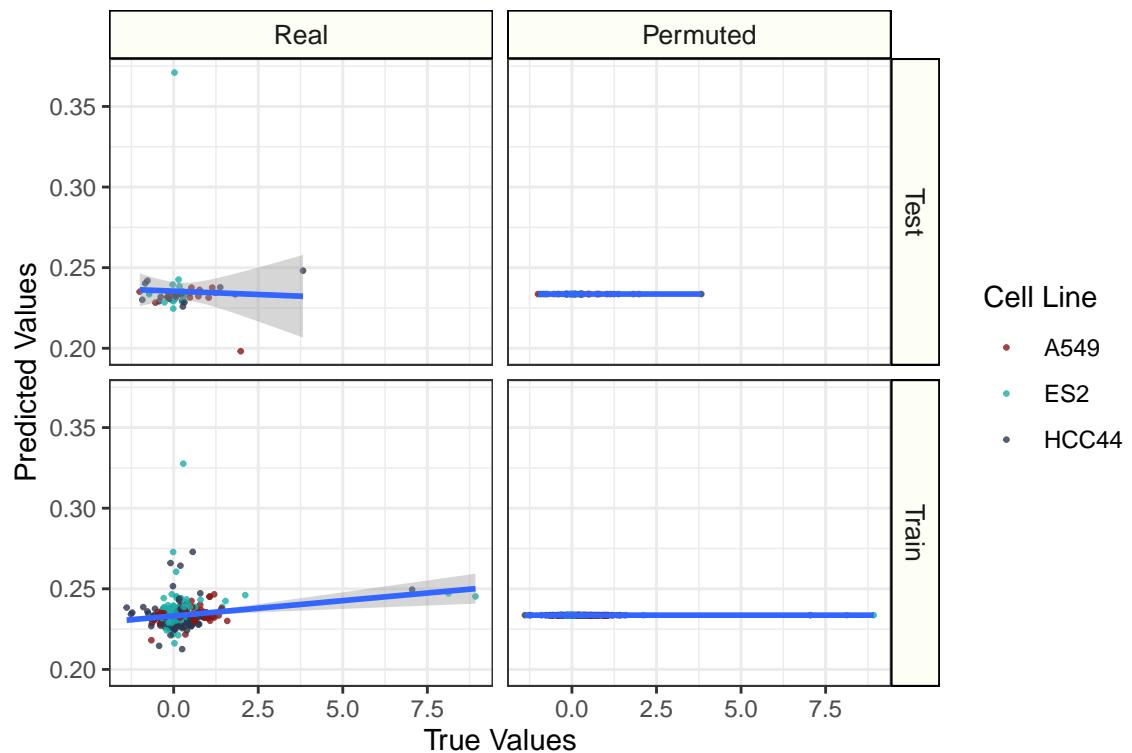


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.83
Test	Real	raw	-0.03	0.56
Train	Shuffle	raw	0.00	0.85
Test	Shuffle	raw	0.00	0.55

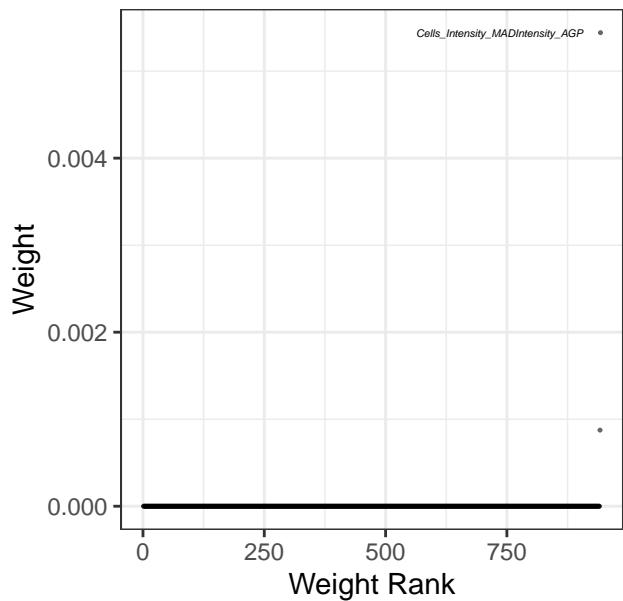


Performance: cc_cc_mitosis

Transform: raw

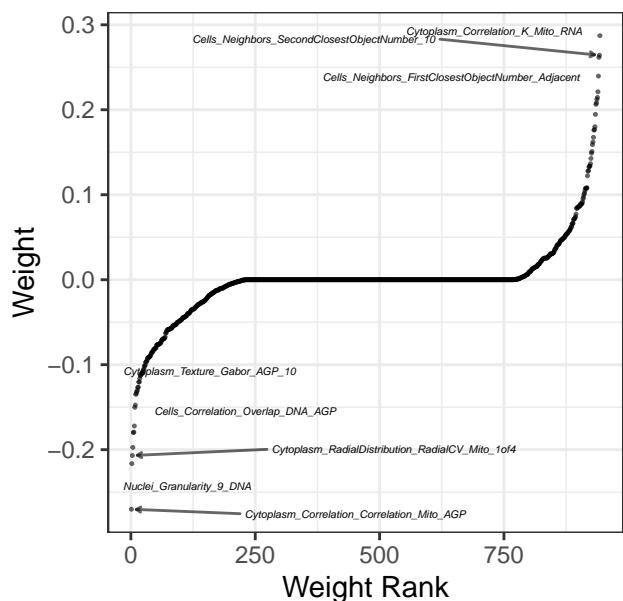
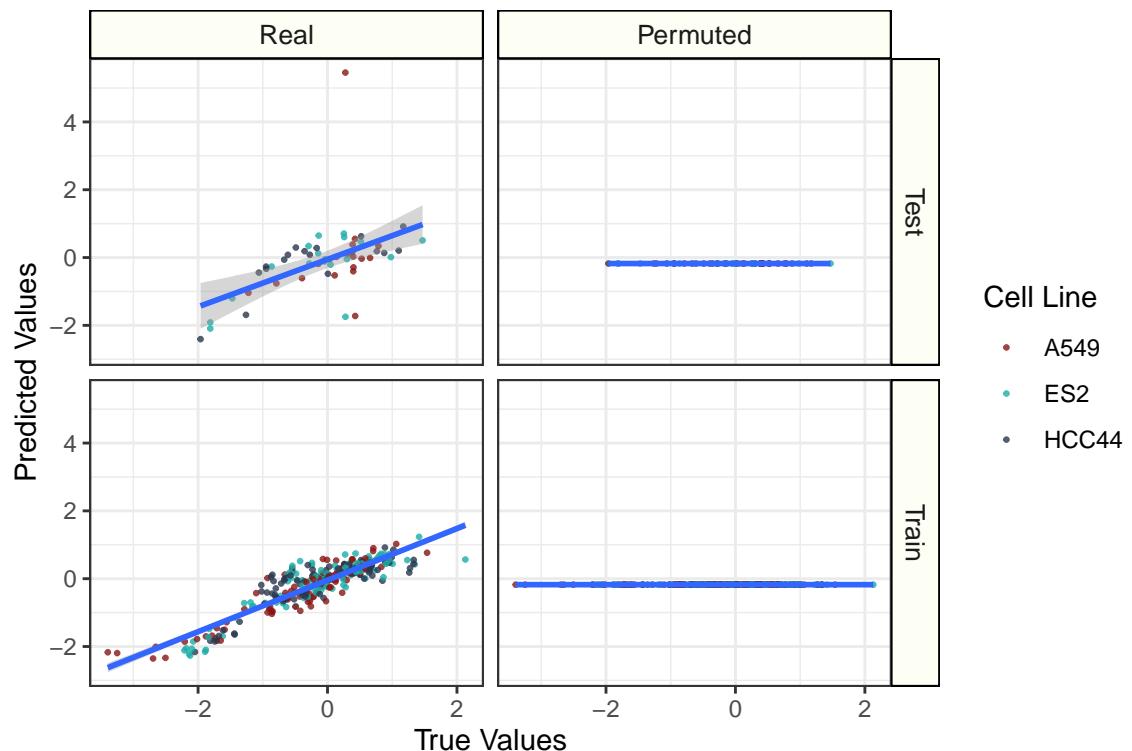


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.85
Test	Real	raw	0	0.62
Train	Shuffle	raw	0	0.85
Test	Shuffle	raw	0	0.62



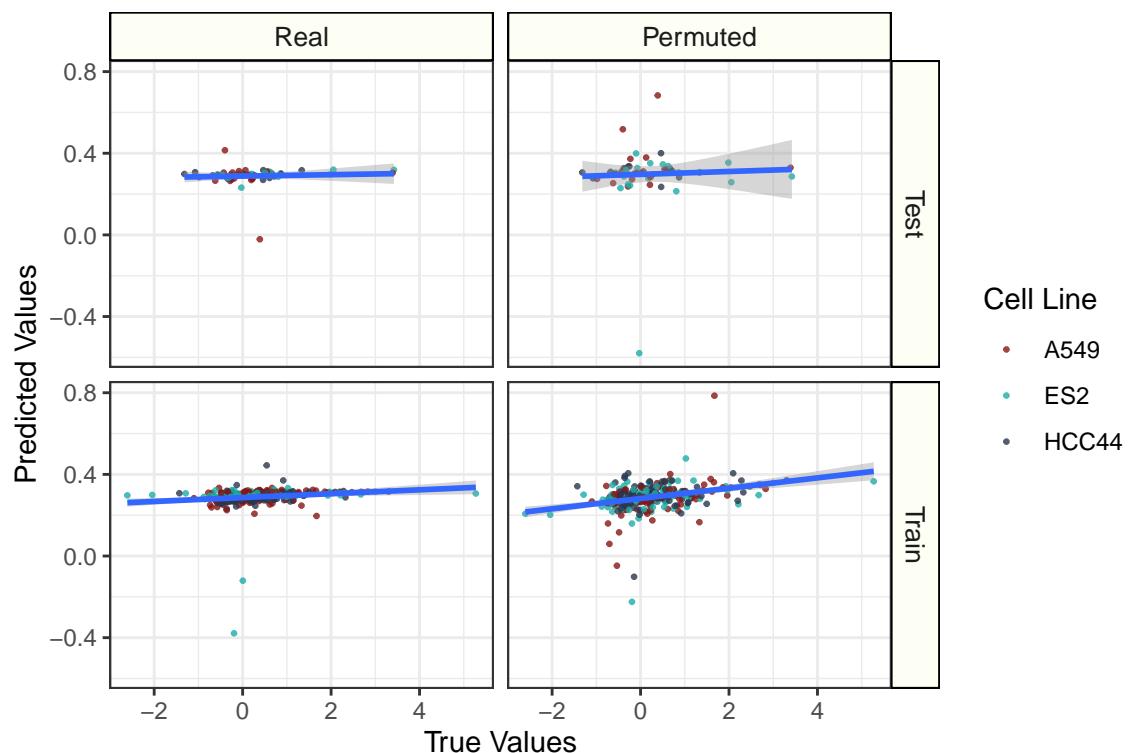
Performance: cc_cc_n_objects

Transform: raw

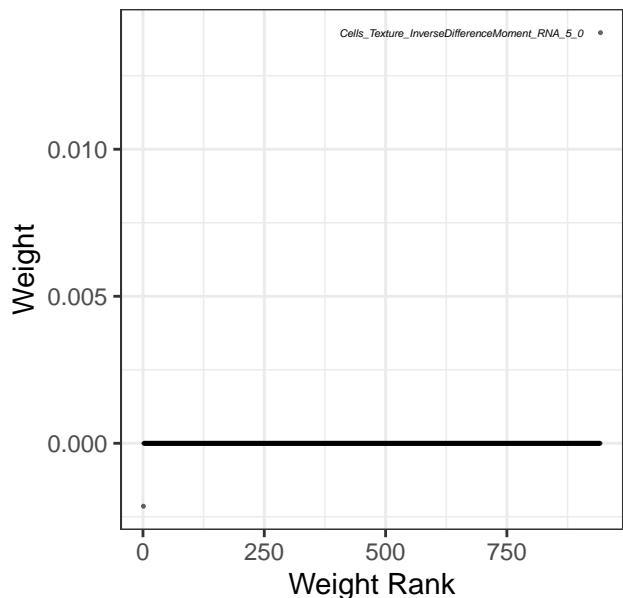


Performance: cc_cc_n_spots_h2ax_mean

Transform: raw

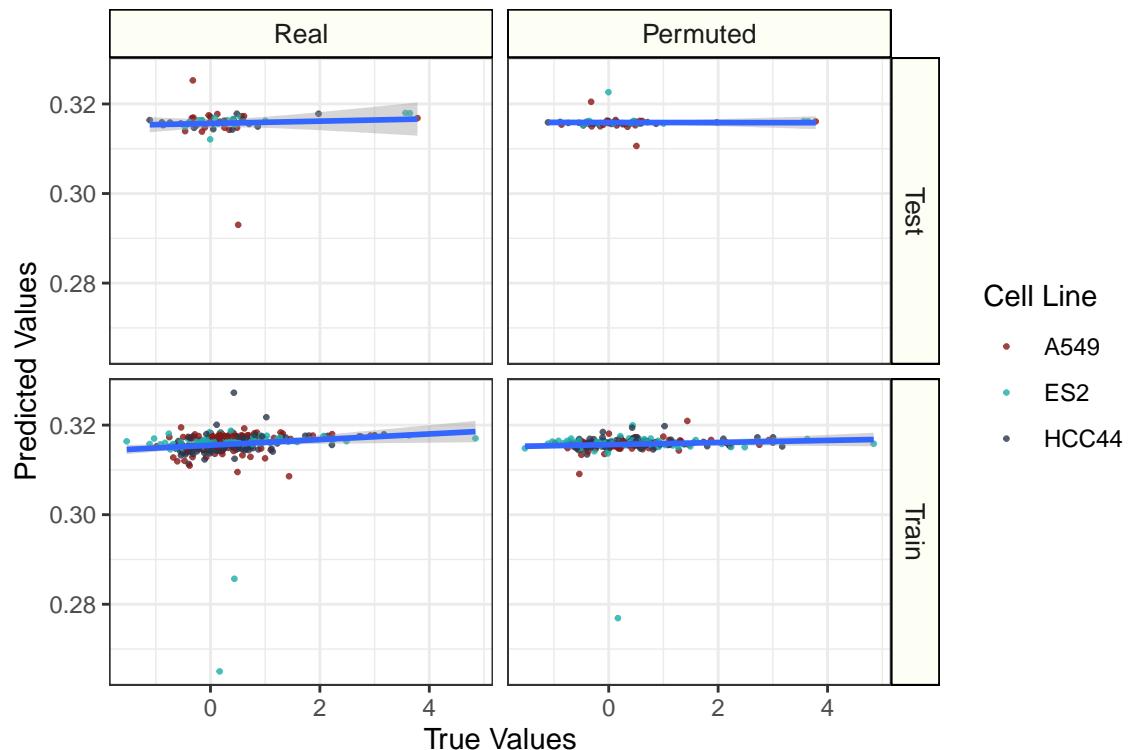


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.72
Test	Real	raw	-0.01	0.81
Train	Shuffle	raw	0.04	0.70
Test	Shuffle	raw	-0.02	0.82

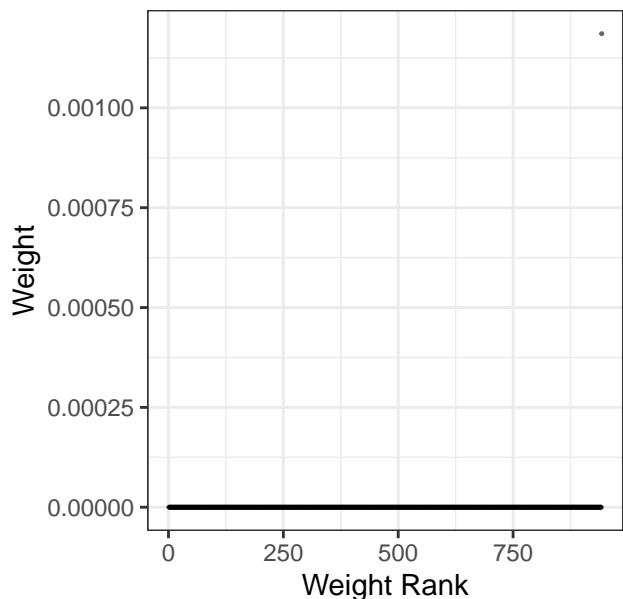


Performance: cc_cc_n_spots_h2ax_per_nucleus_area_mean

Transform: raw

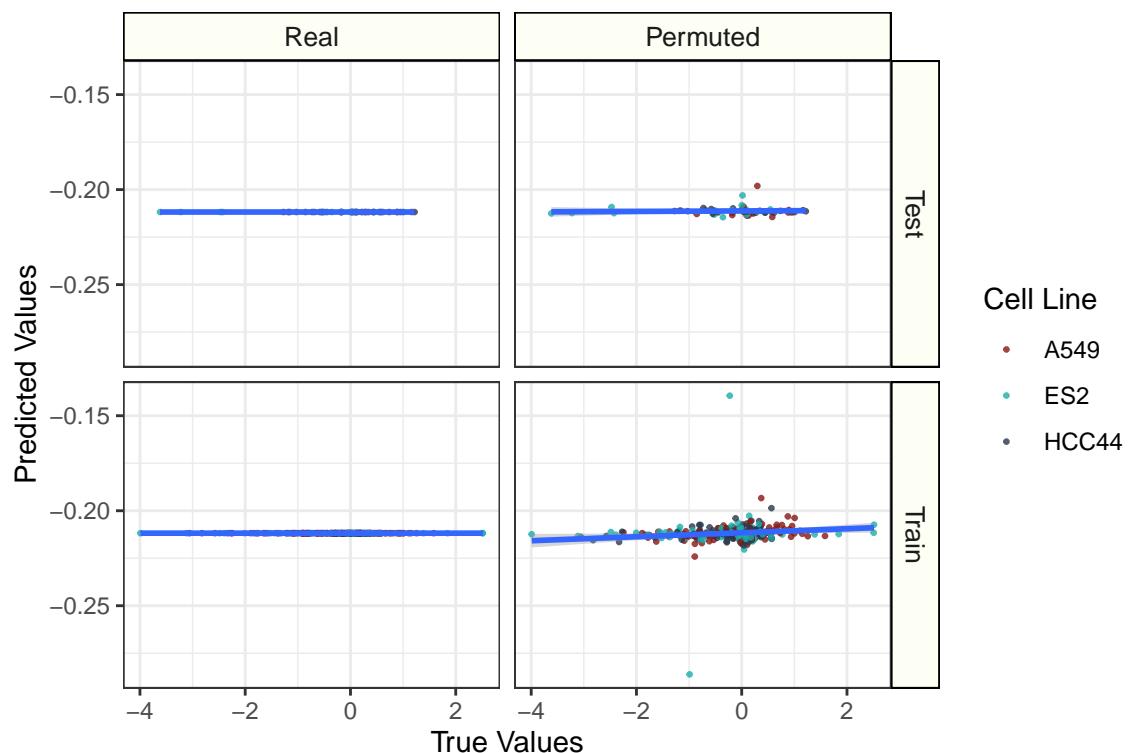


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.68
Test	Real	raw	0	0.96
Train	Shuffle	raw	0	0.68
Test	Shuffle	raw	0	0.96

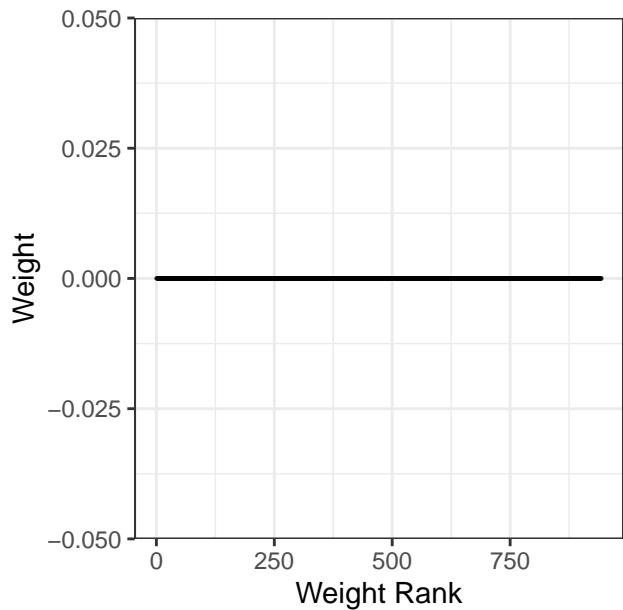


Performance: cc_cc_s

Transform: raw

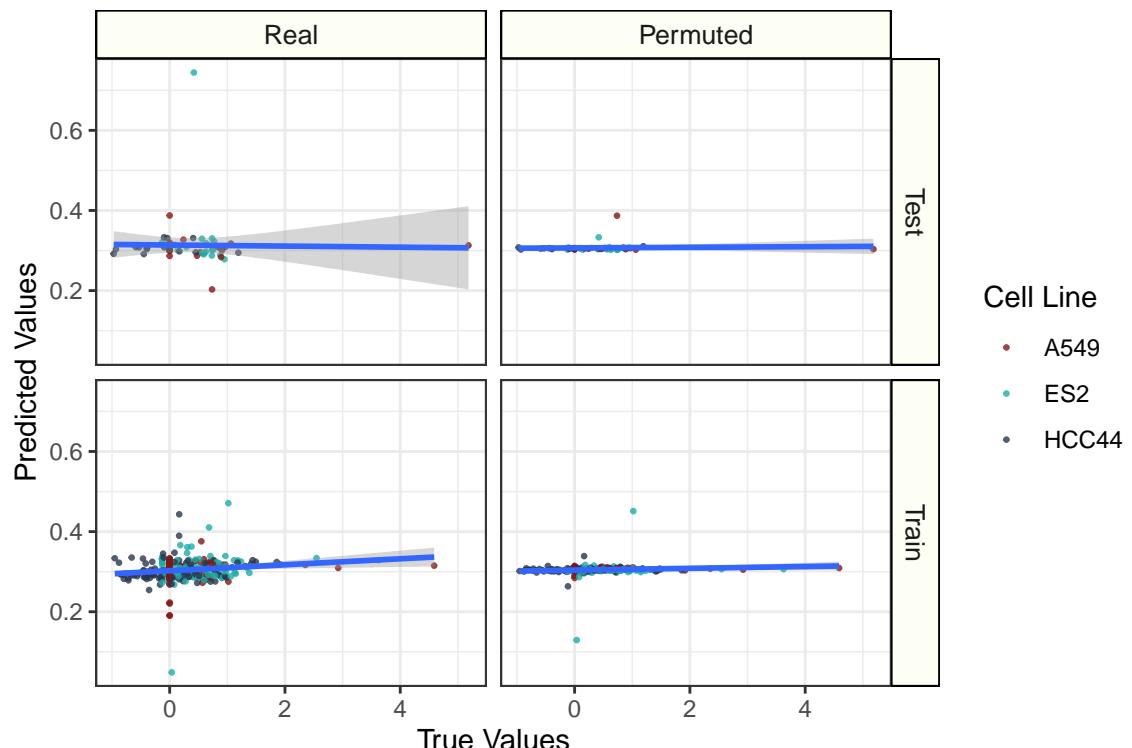


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.65
Test	Real	raw	0	0.96
Train	Shuffle	raw	0	0.65
Test	Shuffle	raw	0	0.96

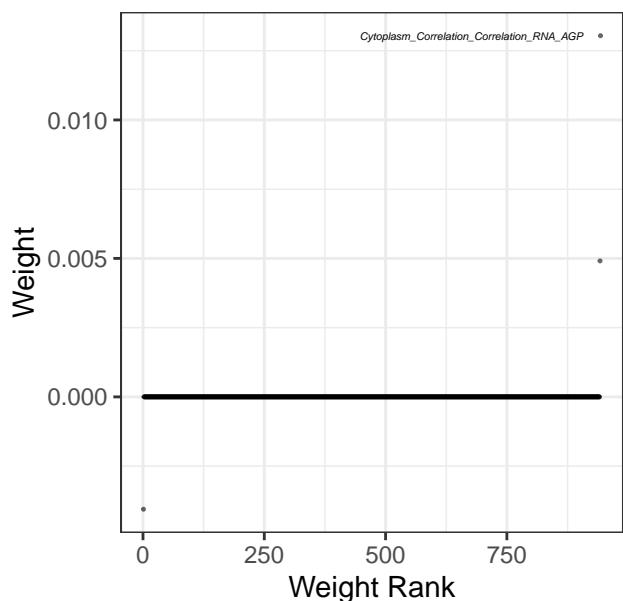


Performance: cc_early_mitosis_high_h2ax

Transform: raw

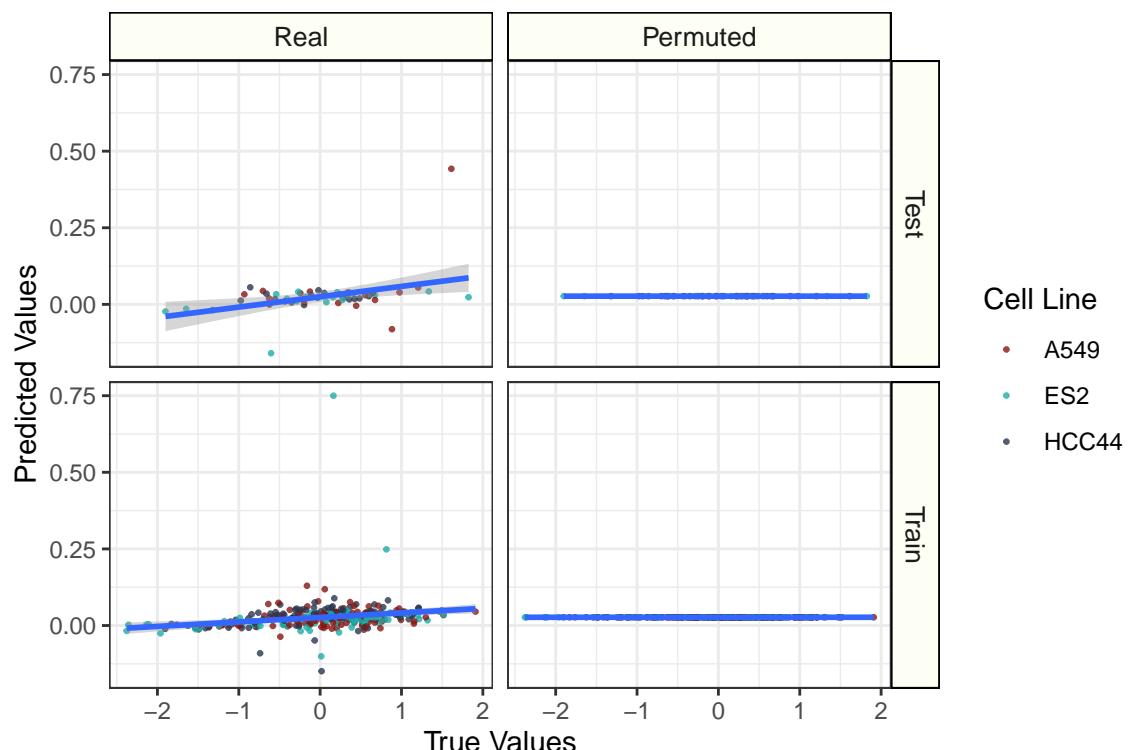


fit	shuffle	transform	r2	value
Train	Real	raw	0.01	0.38
Test	Real	raw	-0.01	0.70
Train	Shuffle	raw	0.00	0.38
Test	Shuffle	raw	0.00	0.69

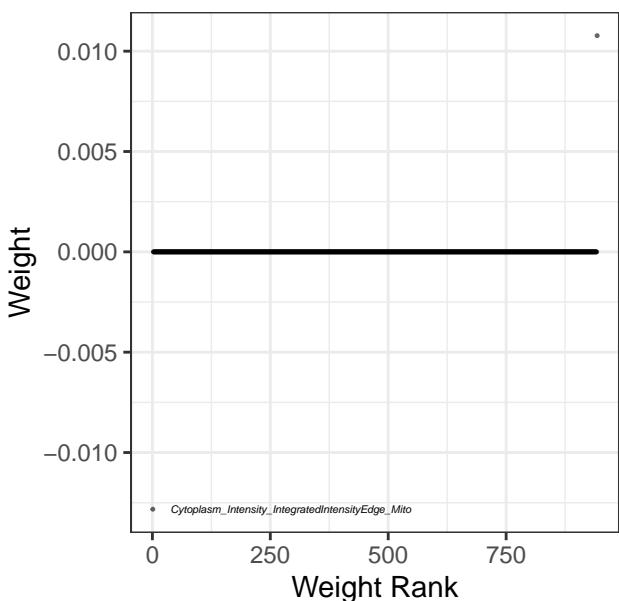


Performance: cc_early_mitosis_n_objects

Transform: raw

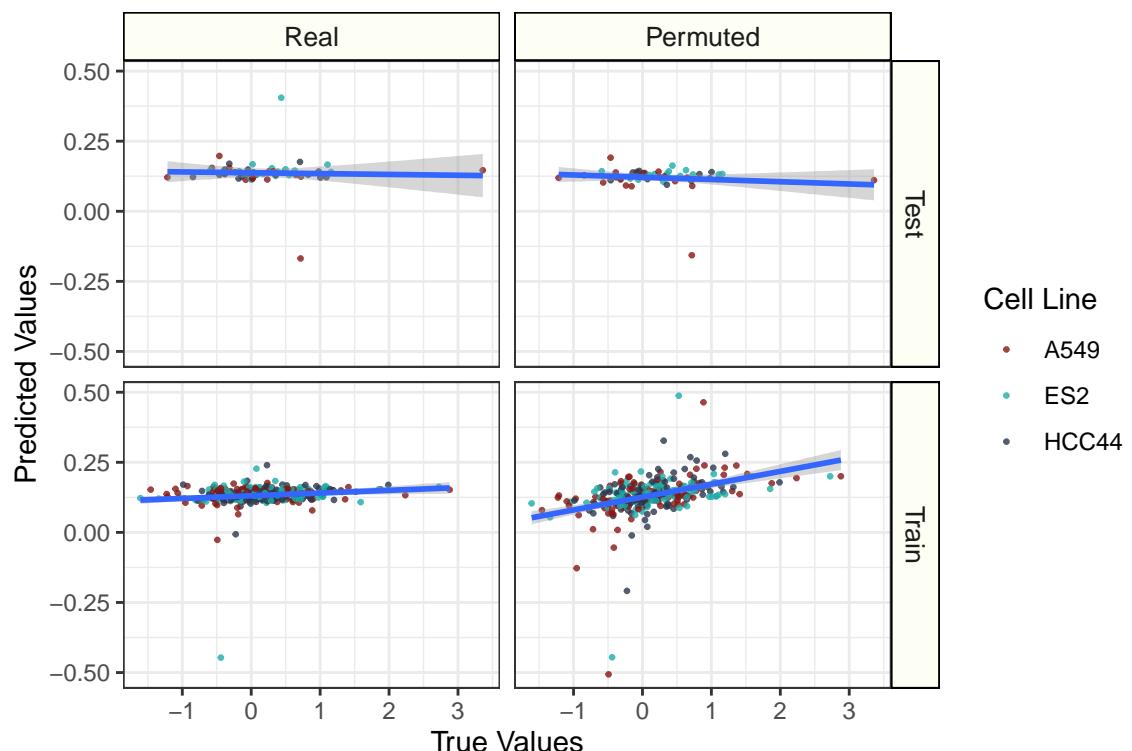


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.56
Test	Real	raw	0.06	0.50
Train	Shuffle	raw	0.00	0.57
Test	Shuffle	raw	0.00	0.53

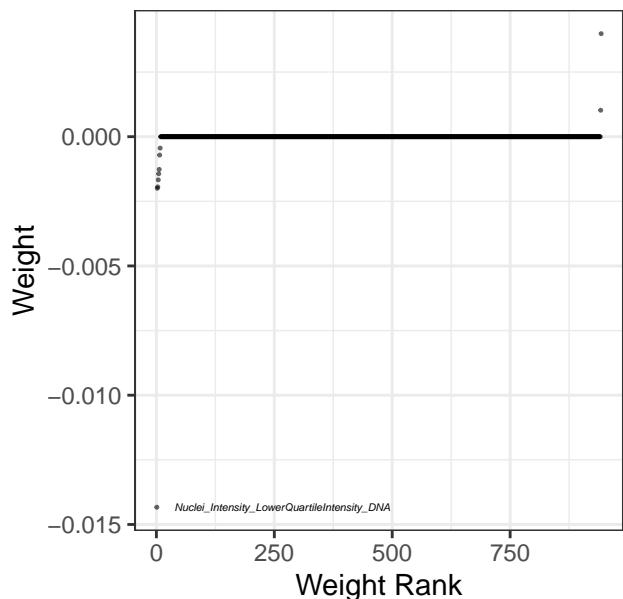


Performance: cc_early_mitosis_n_spots_h2ax_mean

Transform: raw

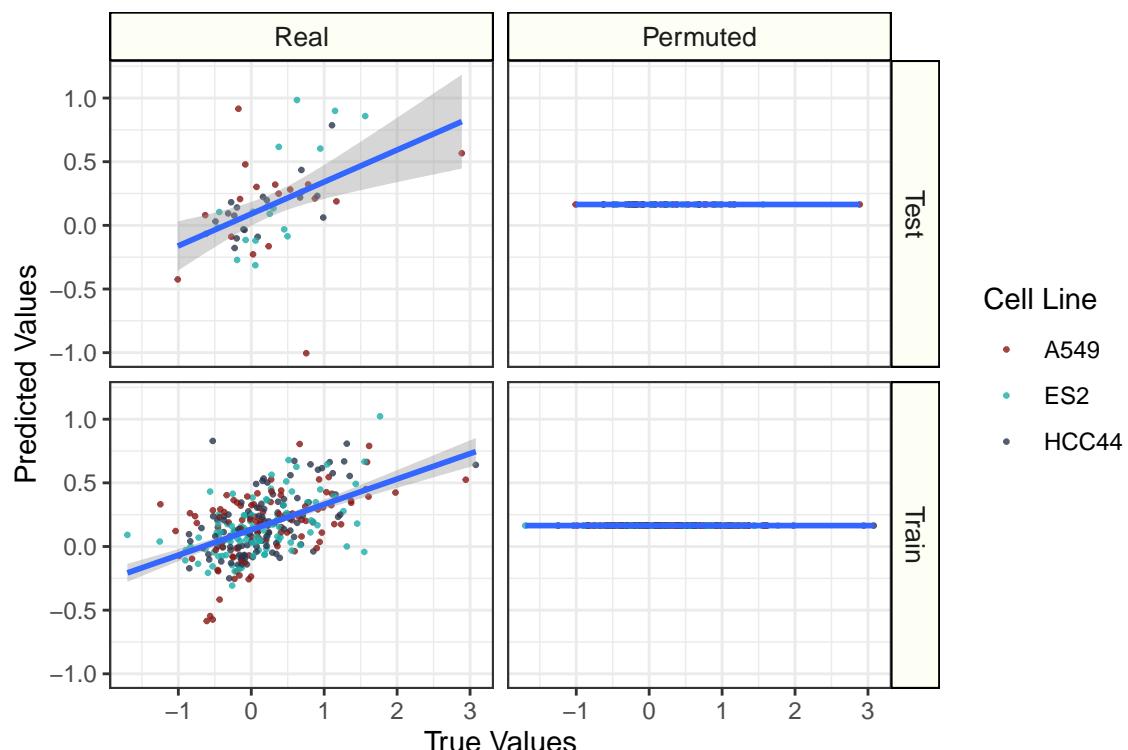


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.39
Test	Real	raw	-0.02	0.46
Train	Shuffle	raw	0.08	0.37
Test	Shuffle	raw	-0.03	0.47

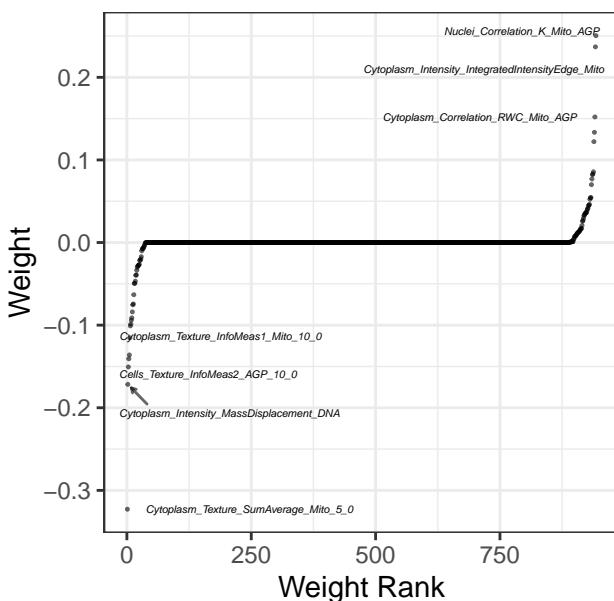


Performance: cc_early_mitosis_n_spots_h2ax_per_nucleus_are

Transform: raw

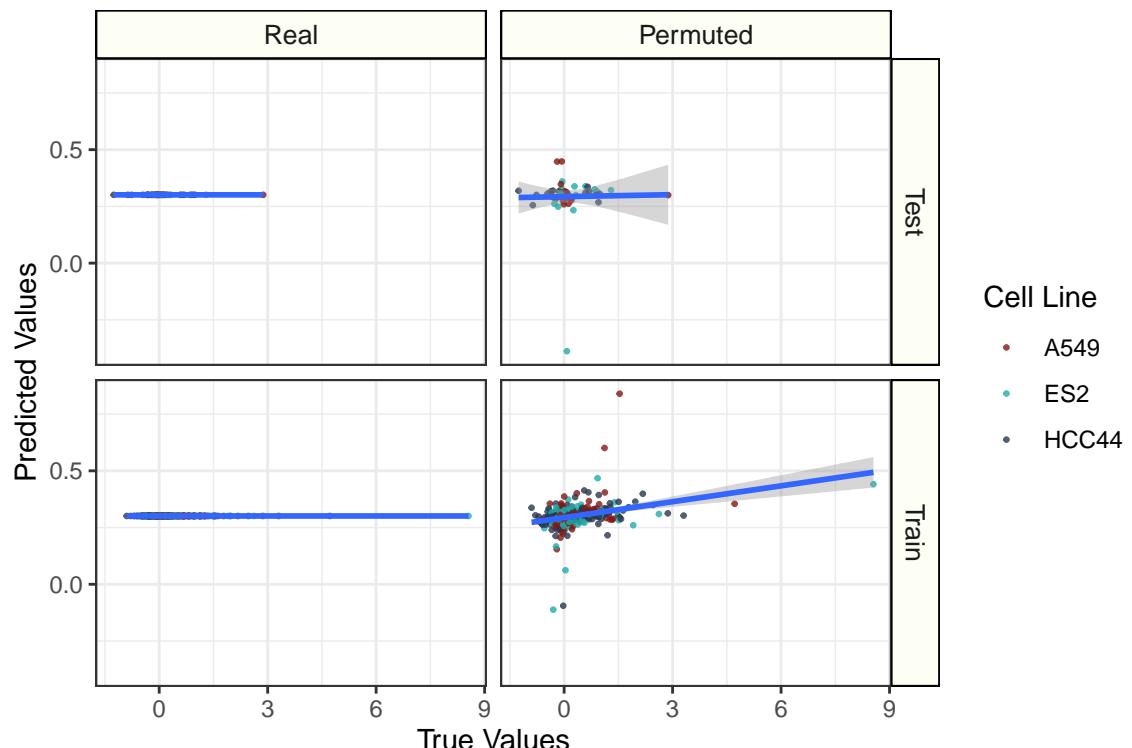


fit	shuffle	transform	r2	value
Train	Real	raw	0.26	0.30
Test	Real	raw	0.17	0.34
Train	Shuffle	raw	0.00	0.41
Test	Shuffle	raw	-0.02	0.42

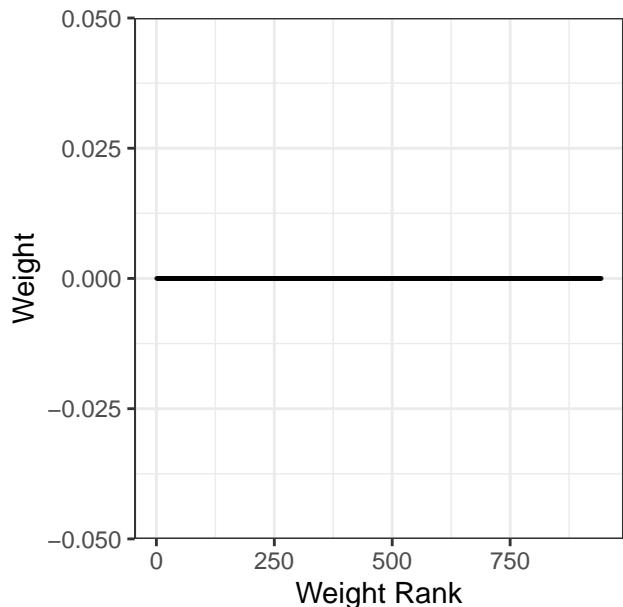


Performance: cc_g1_high_h2ax

Transform: raw

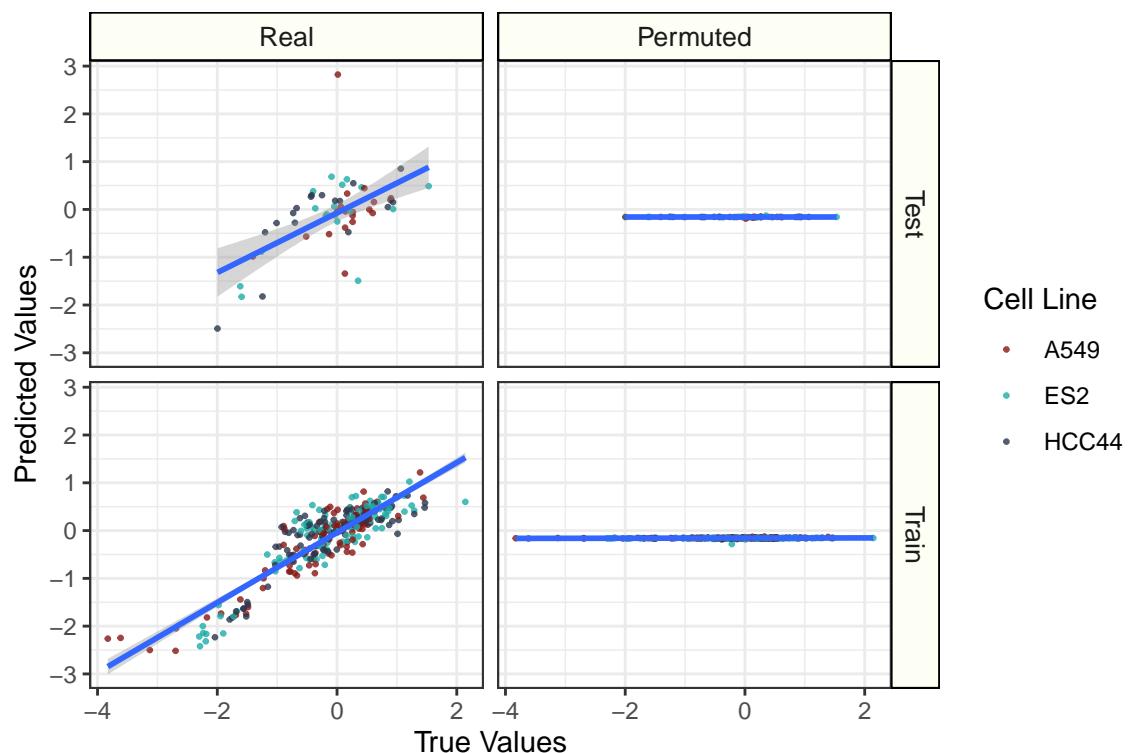


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.68
Test	Real	raw	-0.09	0.39
Train	Shuffle	raw	0.04	0.66
Test	Shuffle	raw	-0.11	0.39

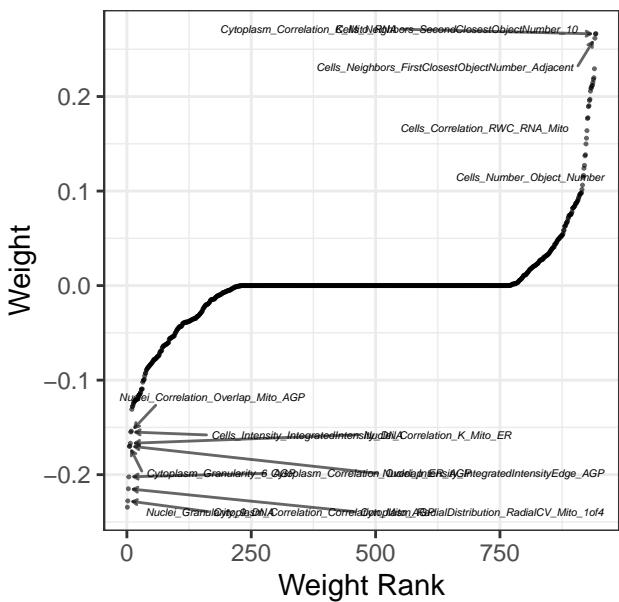


Performance: cc_g1_n_objects

Transform: raw

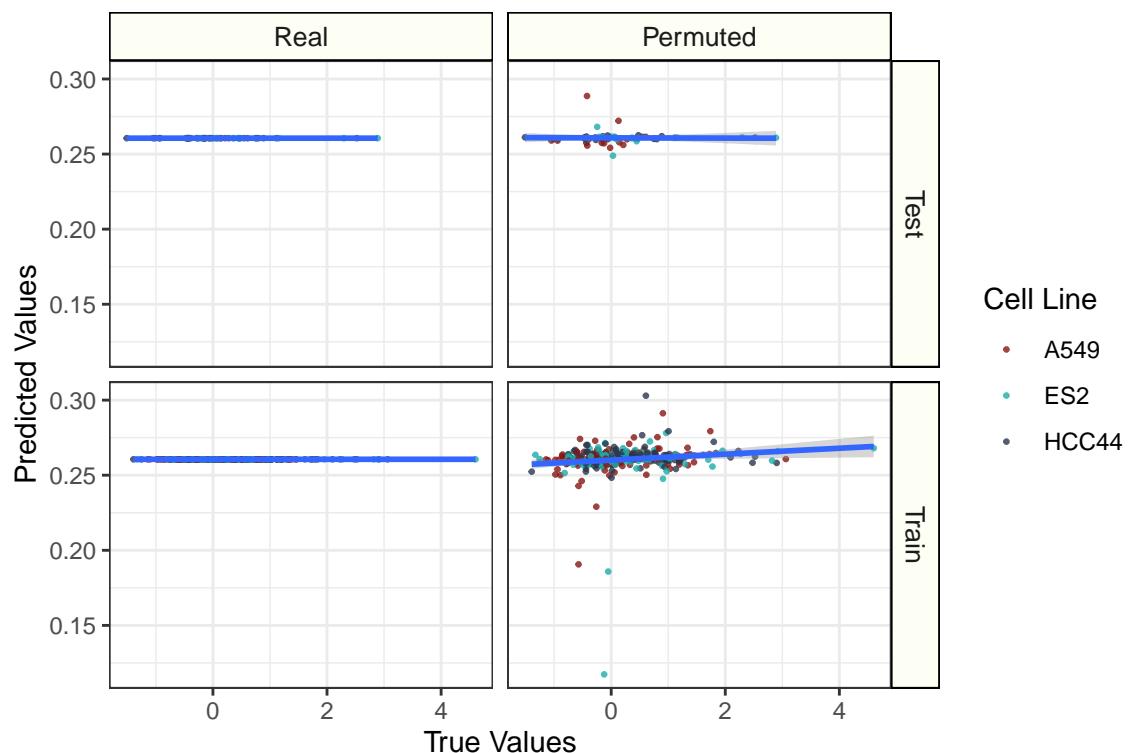


fit	shuffle	transform	r2	value
Train	Real	raw	0.78	0.17
Test	Real	raw	0.07	0.49
Train	Shuffle	raw	0.00	0.76
Test	Shuffle	raw	-0.01	0.54

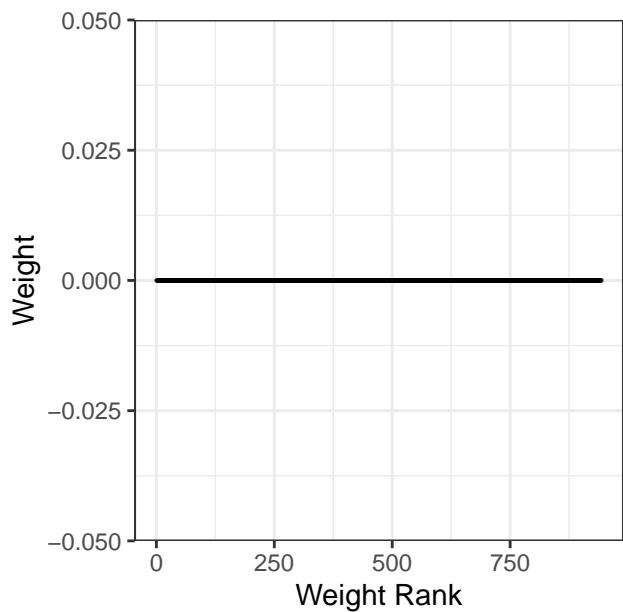


Performance: cc_g1_n_spots_h2ax_mean

Transform: raw

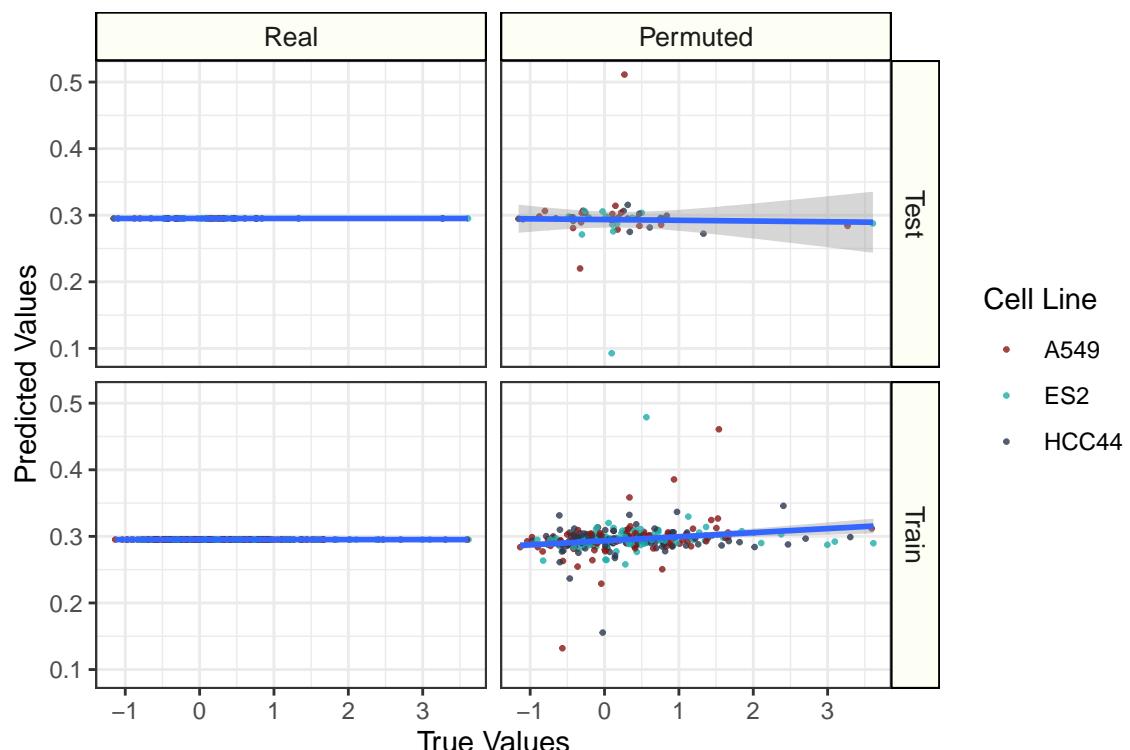


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.66
Test	Real	raw	-0.03	0.66
Train	Shuffle	raw	0.00	0.66
Test	Shuffle	raw	-0.03	0.66

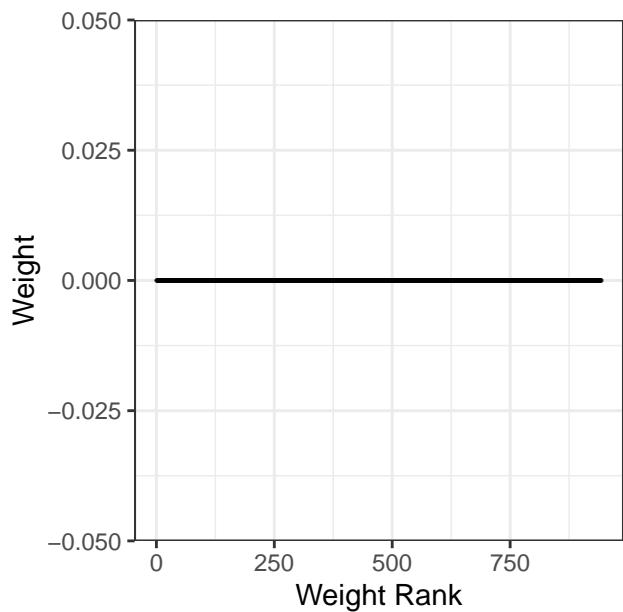


Performance: cc_g1_n_spots_h2ax_per_nucleus_area_mean

Transform: raw

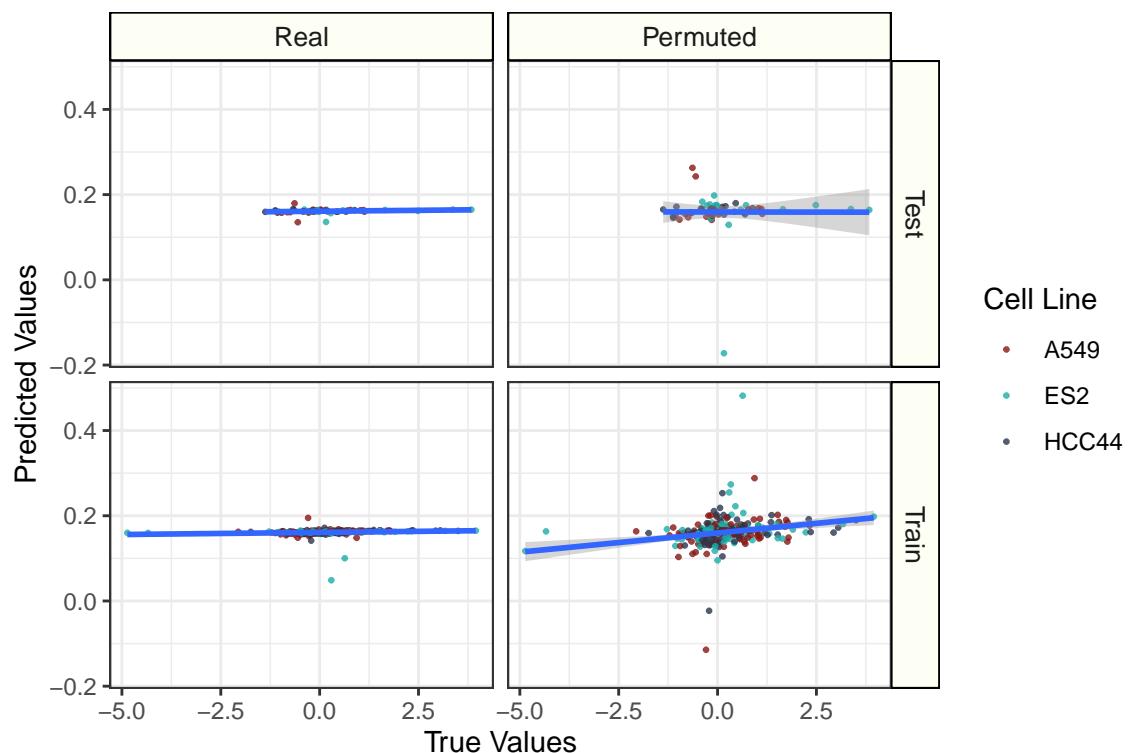


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.65
Test	Real	raw	-0.01	0.85
Train	Shuffle	raw	0.01	0.64
Test	Shuffle	raw	-0.02	0.85

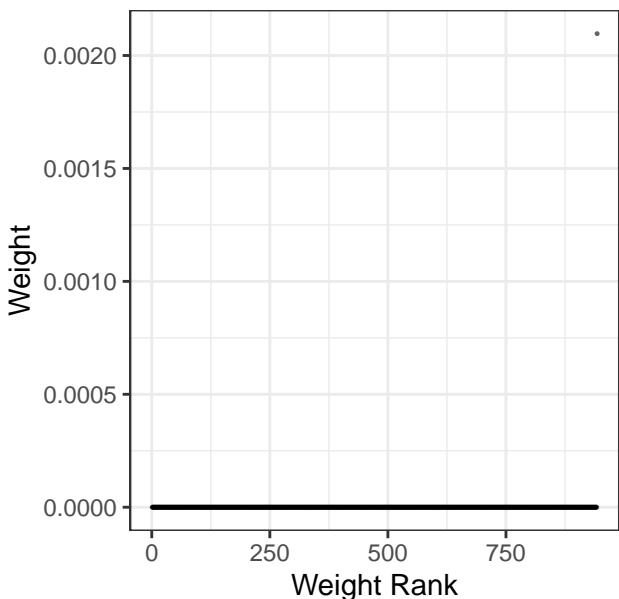


Performance: cc_g1_plus_g2_count

Transform: raw

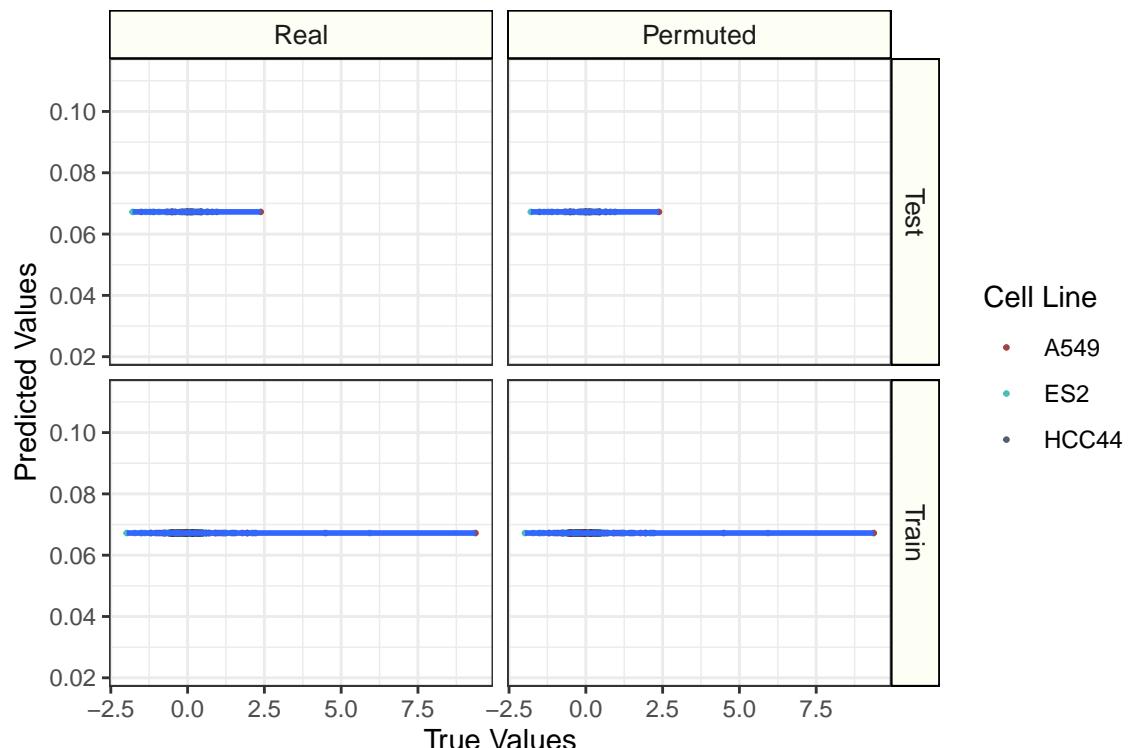


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.75
Test	Real	raw	0.00	0.98
Train	Shuffle	raw	0.02	0.73
Test	Shuffle	raw	0.00	0.98

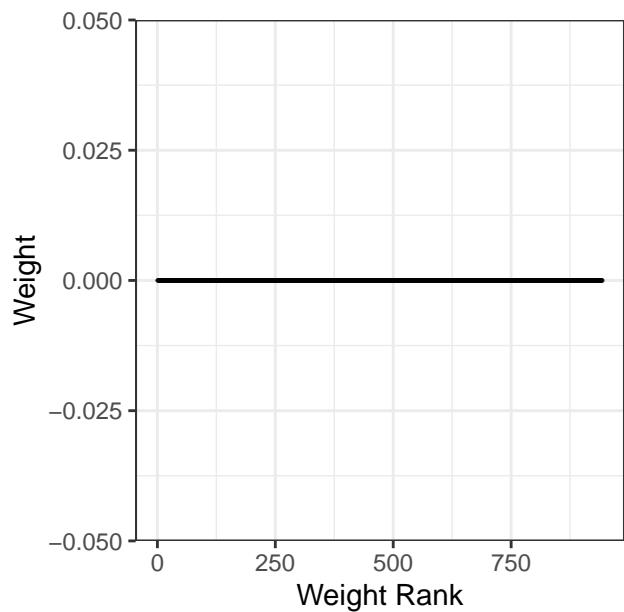


Performance: cc_g2_g1_count

Transform: raw

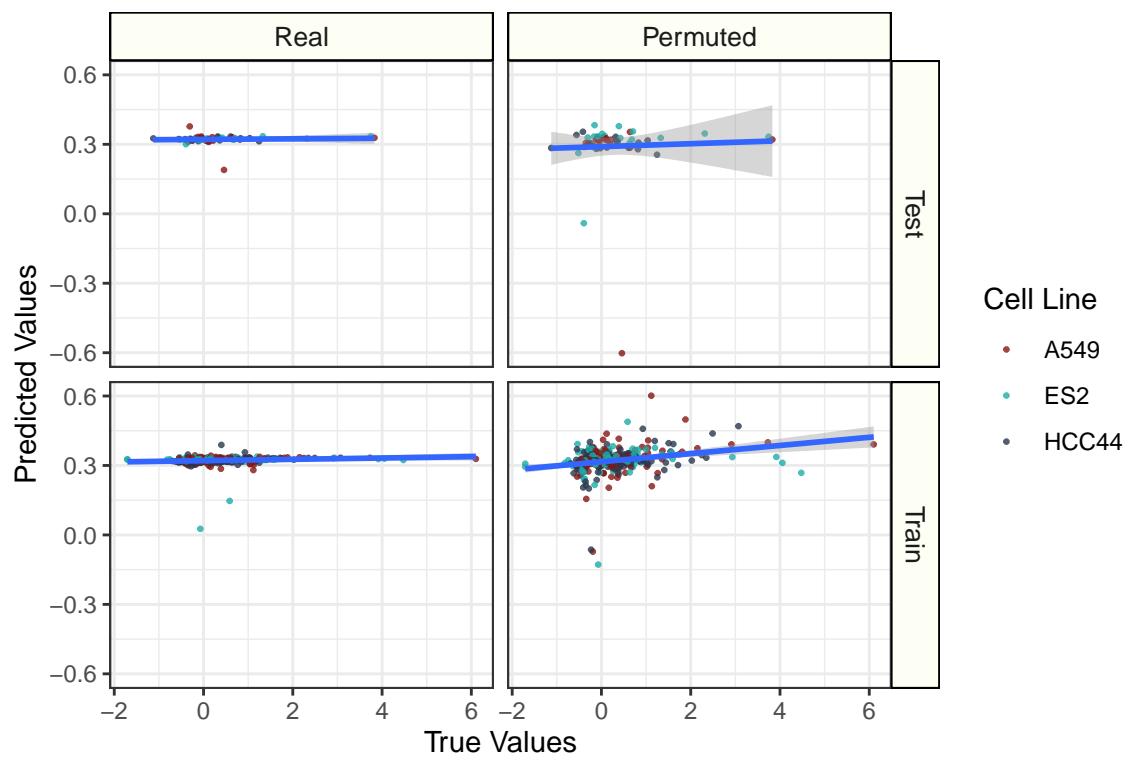


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.75
Test	Real	raw	-0.04	0.45
Train	Shuffle	raw	0.00	0.75
Test	Shuffle	raw	-0.04	0.45

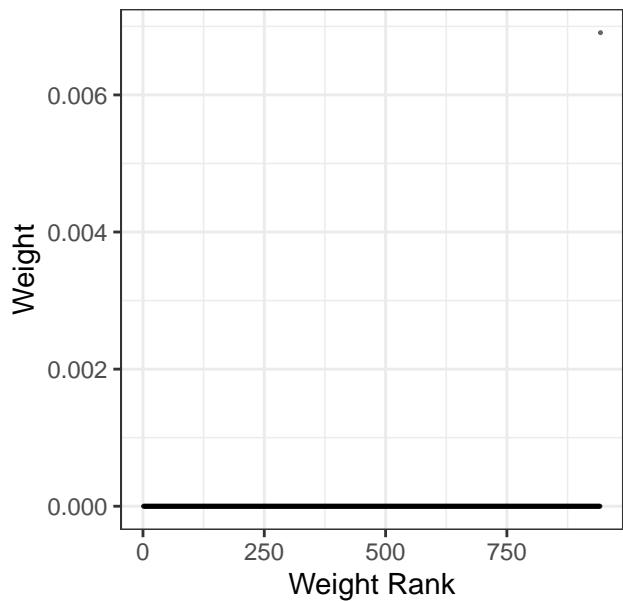


Performance: cc_g2_high_h2ax

Transform: raw

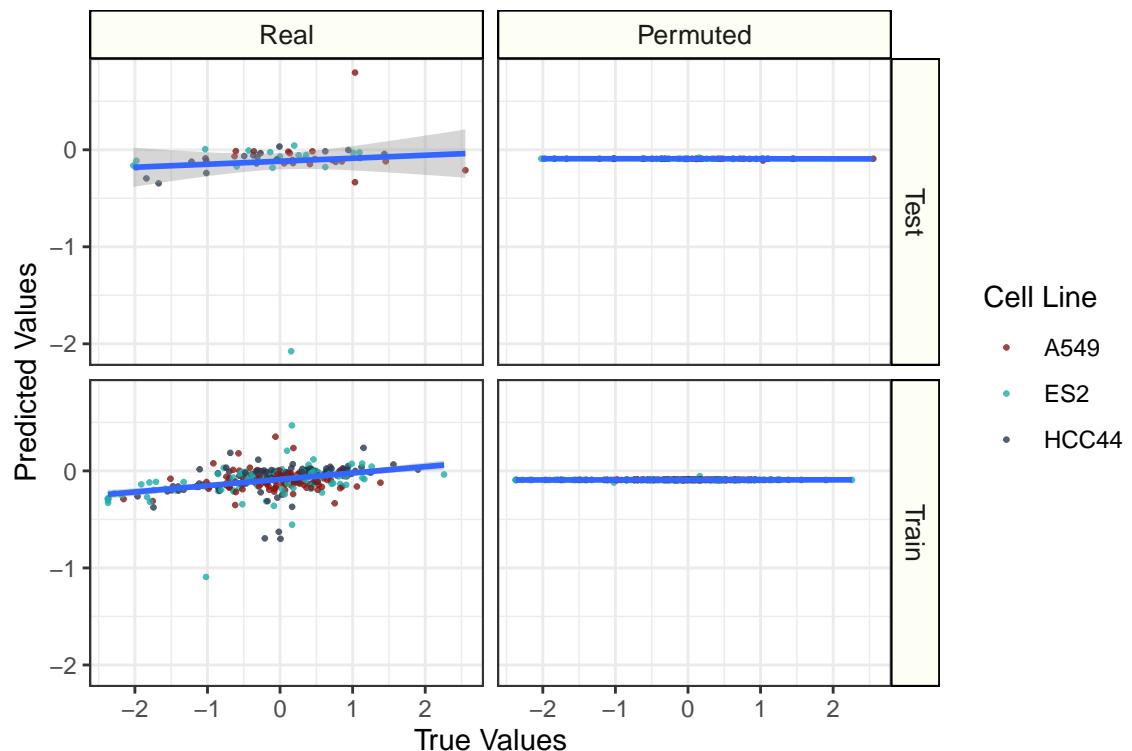


fit	shuffle	transform	r2	value
Train	Real	raw	0.01	0.74
Test	Real	raw	0.00	0.77
Train	Shuffle	raw	0.03	0.73
Test	Shuffle	raw	-0.01	0.78

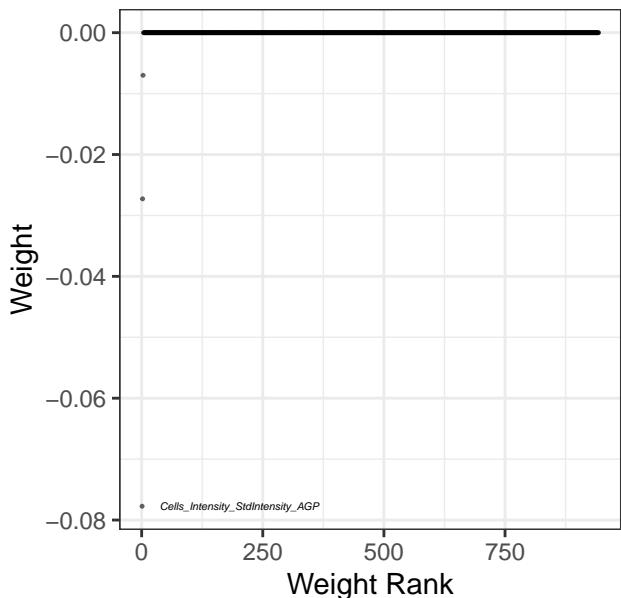


Performance: cc_g2_n_objects

Transform: raw

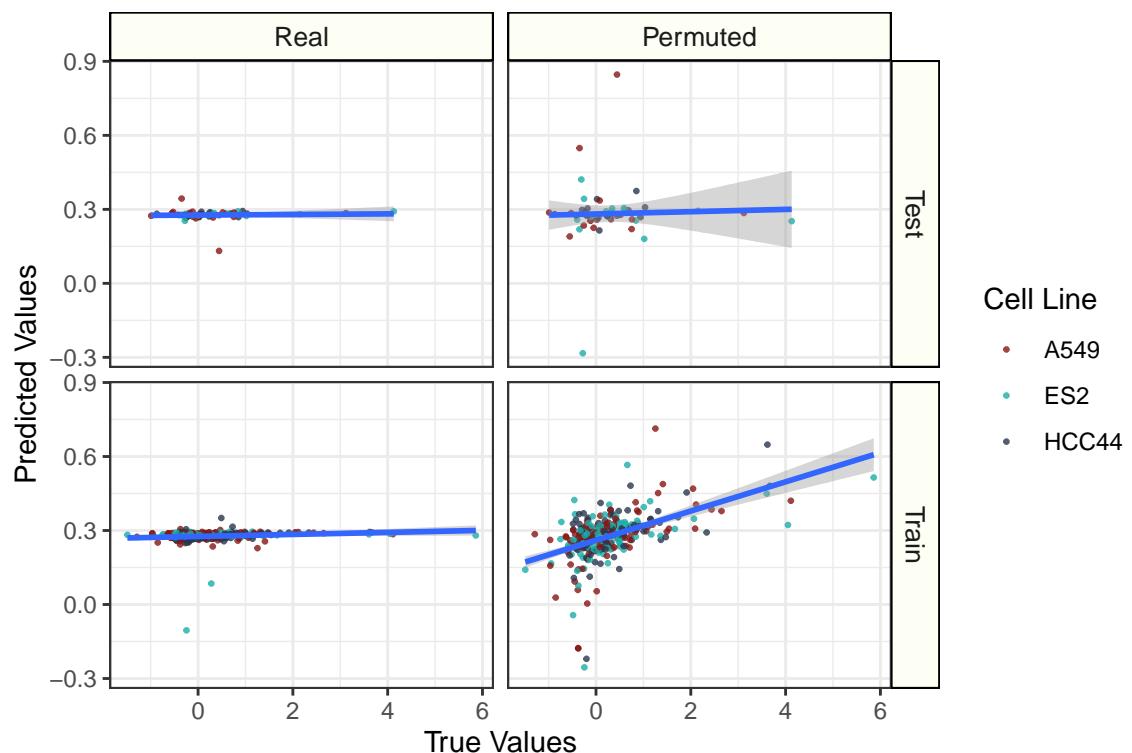


fit	shuffle	transform	r2	value
Train	Real	raw	0.10	0.55
Test	Real	raw	-0.06	0.92
Train	Shuffle	raw	0.00	0.60
Test	Shuffle	raw	-0.01	0.87

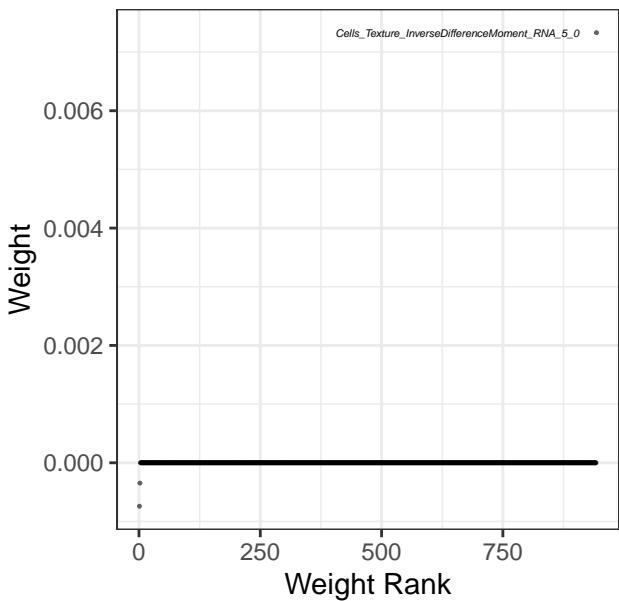


Performance: cc_g2_n_spots_h2ax_mean

Transform: raw

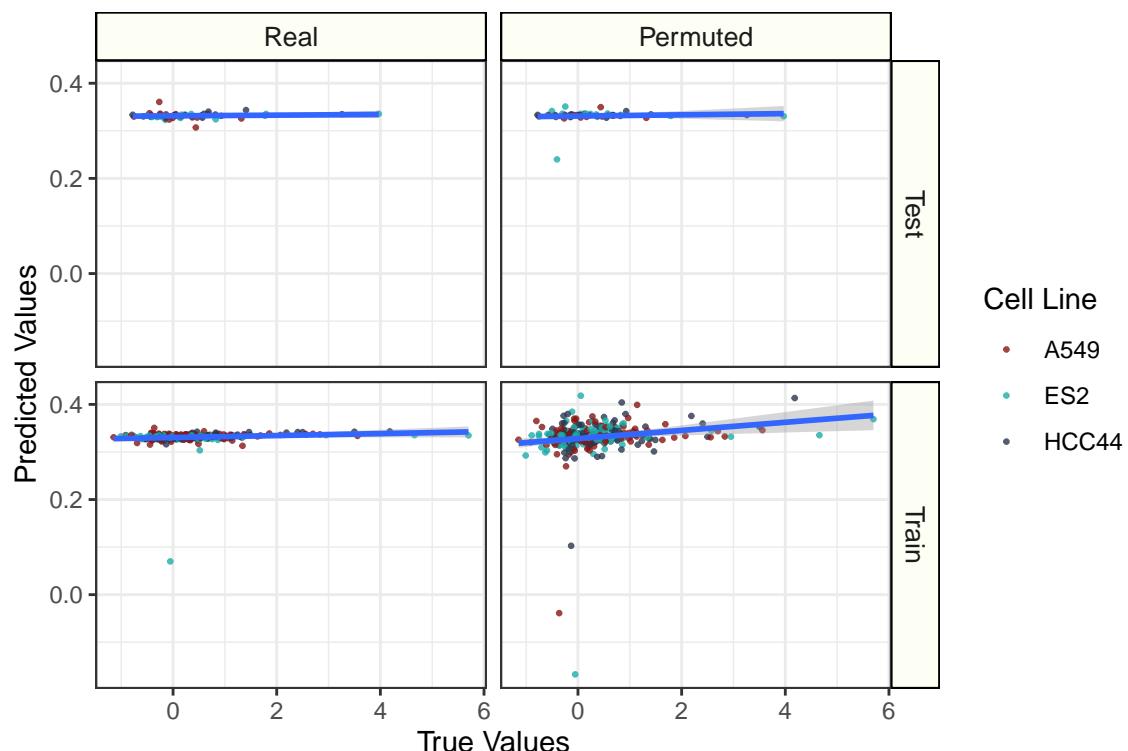


fit	shuffle	transform	r2	value
Train	Real	raw	0.01	0.69
Test	Real	raw	0.00	0.73
Train	Shuffle	raw	0.10	0.63
Test	Shuffle	raw	-0.01	0.74

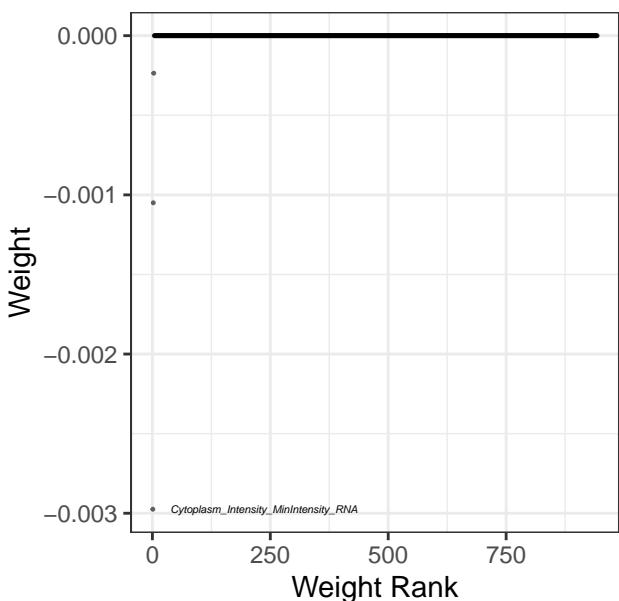


Performance: cc_g2_n_spots_h2ax_per_nucleus_area_mean

Transform: raw

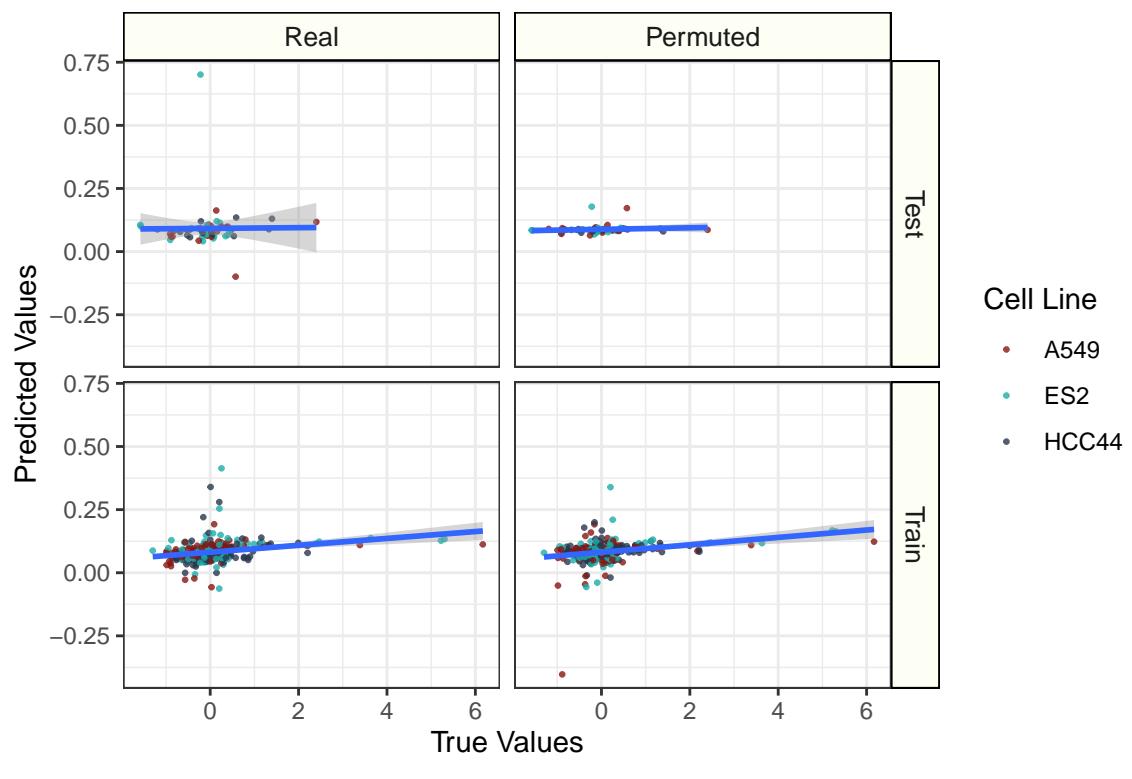


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.70
Test	Real	raw	0.00	0.75
Train	Shuffle	raw	0.01	0.69
Test	Shuffle	raw	0.00	0.75

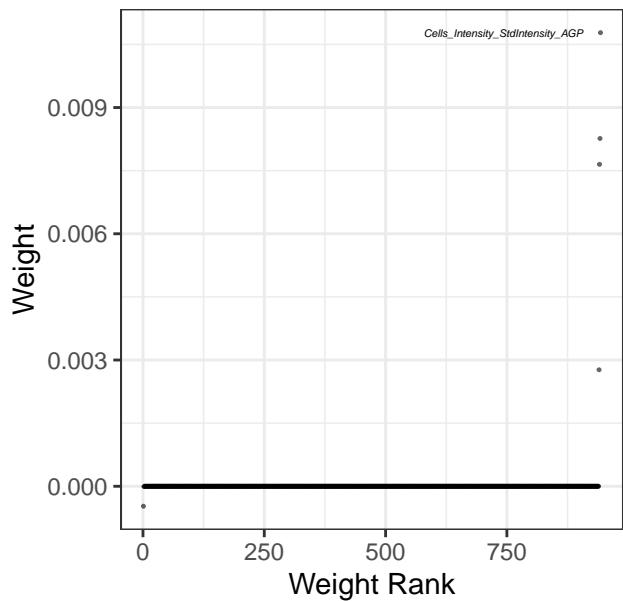


Performance: cc_g2_plus_all_m_count

Transform: raw

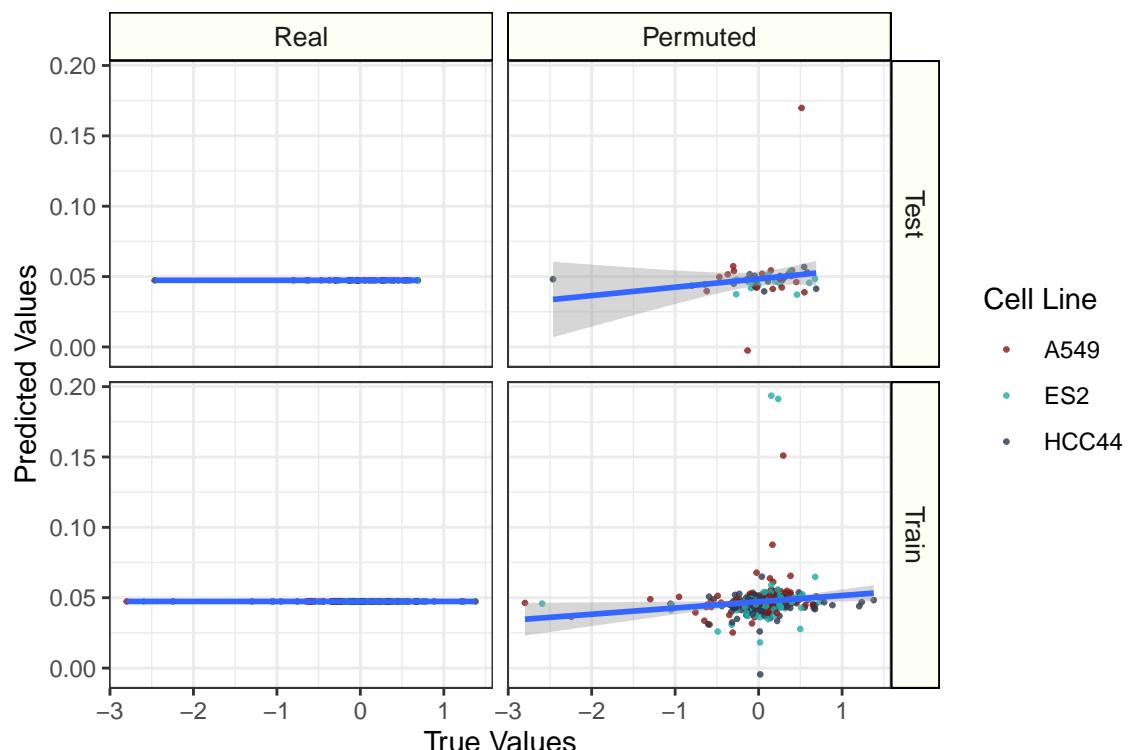


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.66
Test	Real	raw	-0.08	0.47
Train	Shuffle	raw	0.03	0.66
Test	Shuffle	raw	-0.05	0.46

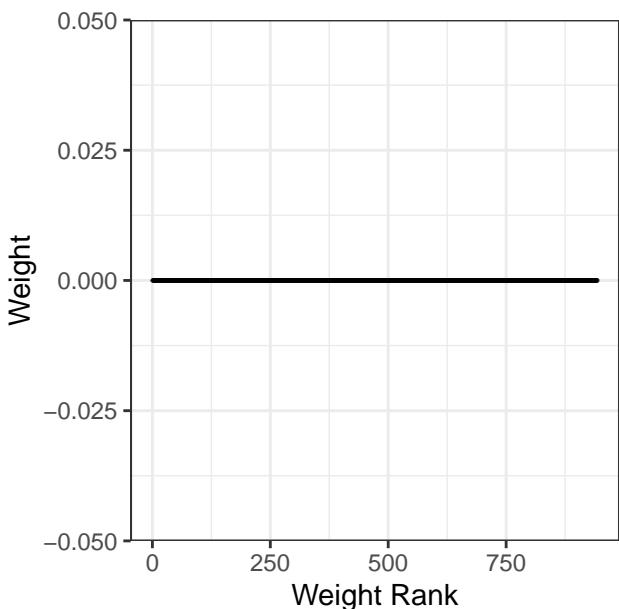


Performance: cc_infection_percentage

Transform: raw

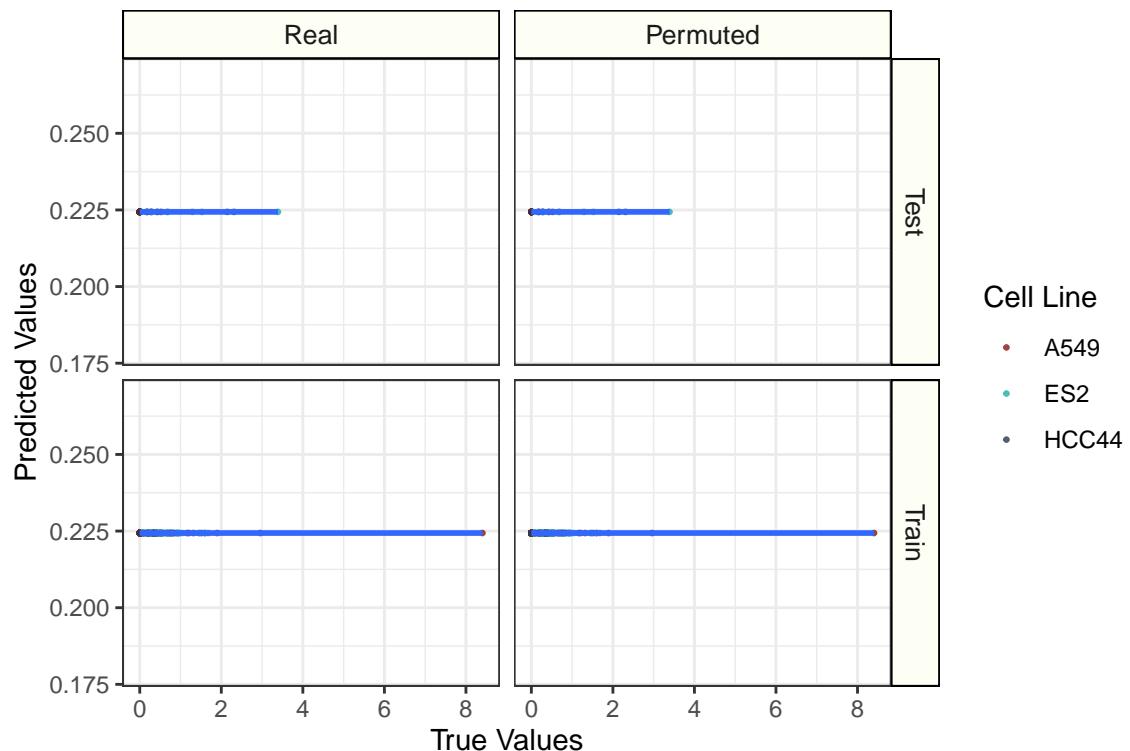


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.18
Test	Real	raw	0.00	0.23
Train	Shuffle	raw	0.01	0.18
Test	Shuffle	raw	0.01	0.23

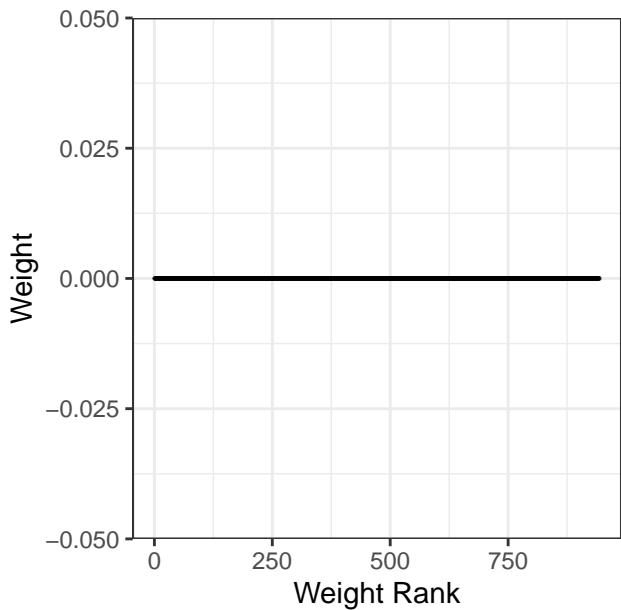


Performance: cc_late_mitosis_high_h2ax

Transform: raw

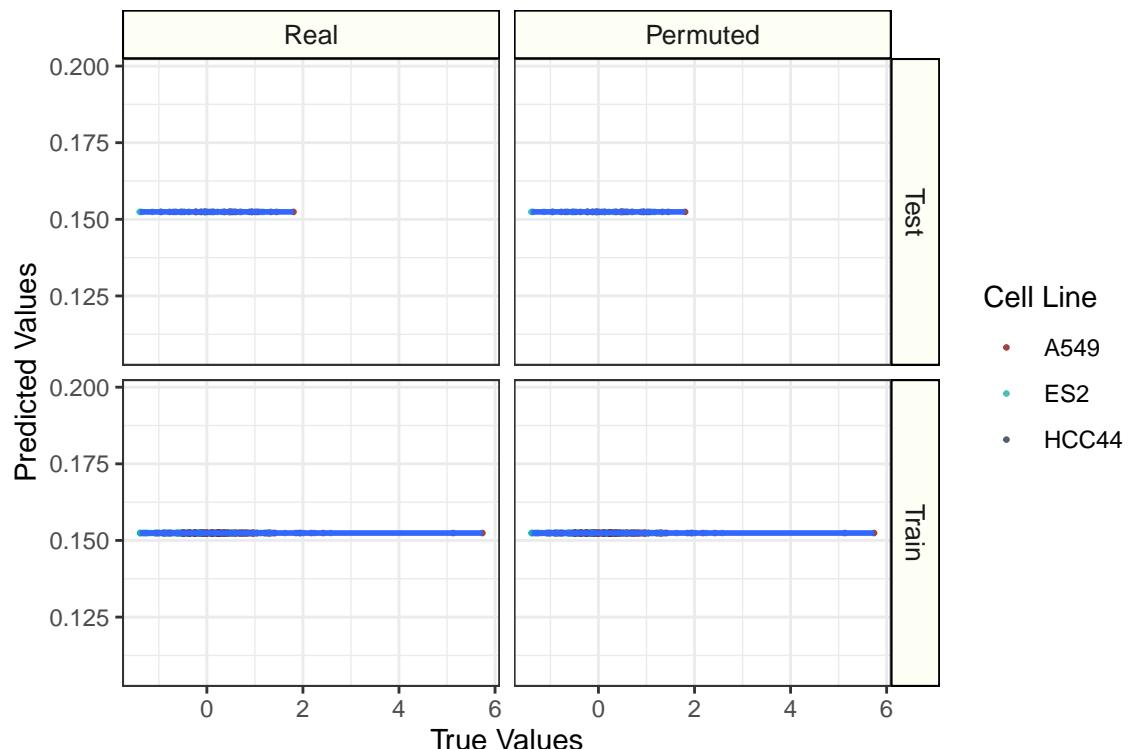


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.37
Test	Real	raw	-0.01	0.43
Train	Shuffle	raw	0.00	0.37
Test	Shuffle	raw	-0.01	0.43

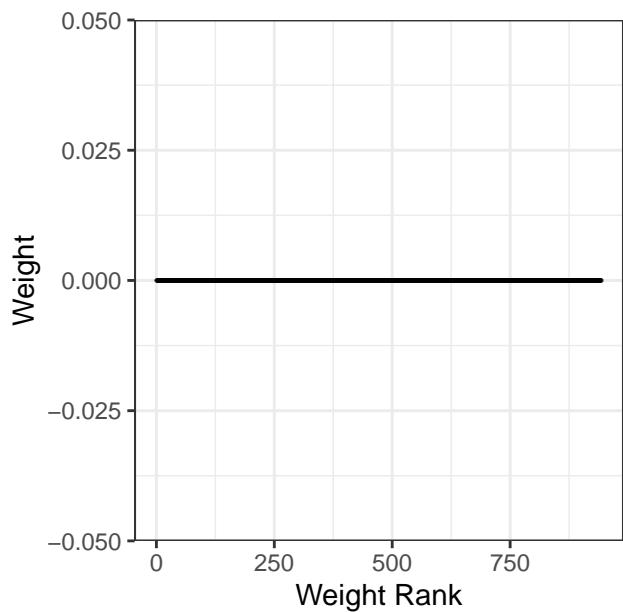


Performance: cc_late_mitosis_n_objects

Transform: raw

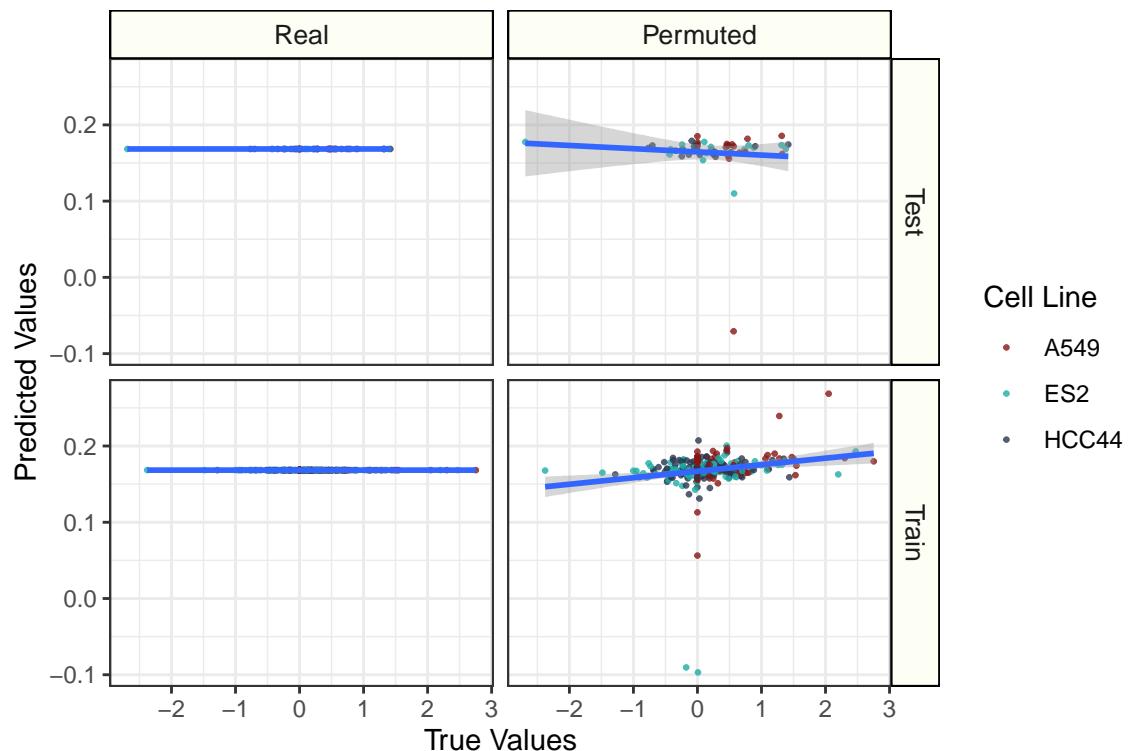


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.69
Test	Real	raw	0	0.52
Train	Shuffle	raw	0	0.69
Test	Shuffle	raw	0	0.52

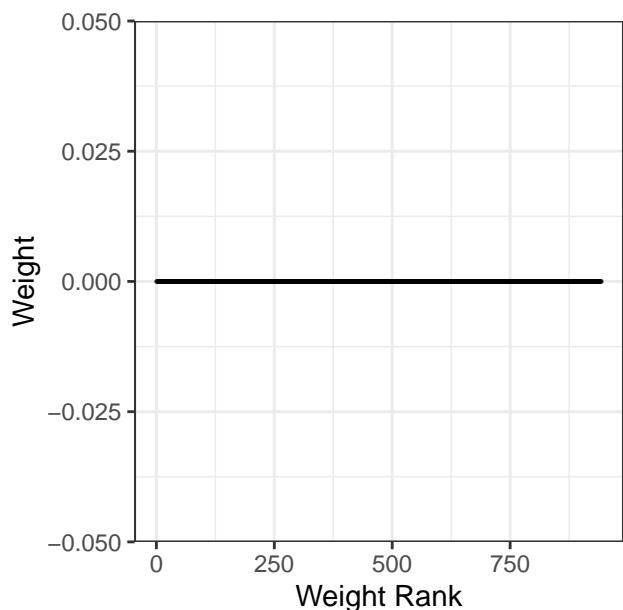


Performance: cc_late_mitosis_n_spots_h2ax_mean

Transform: raw

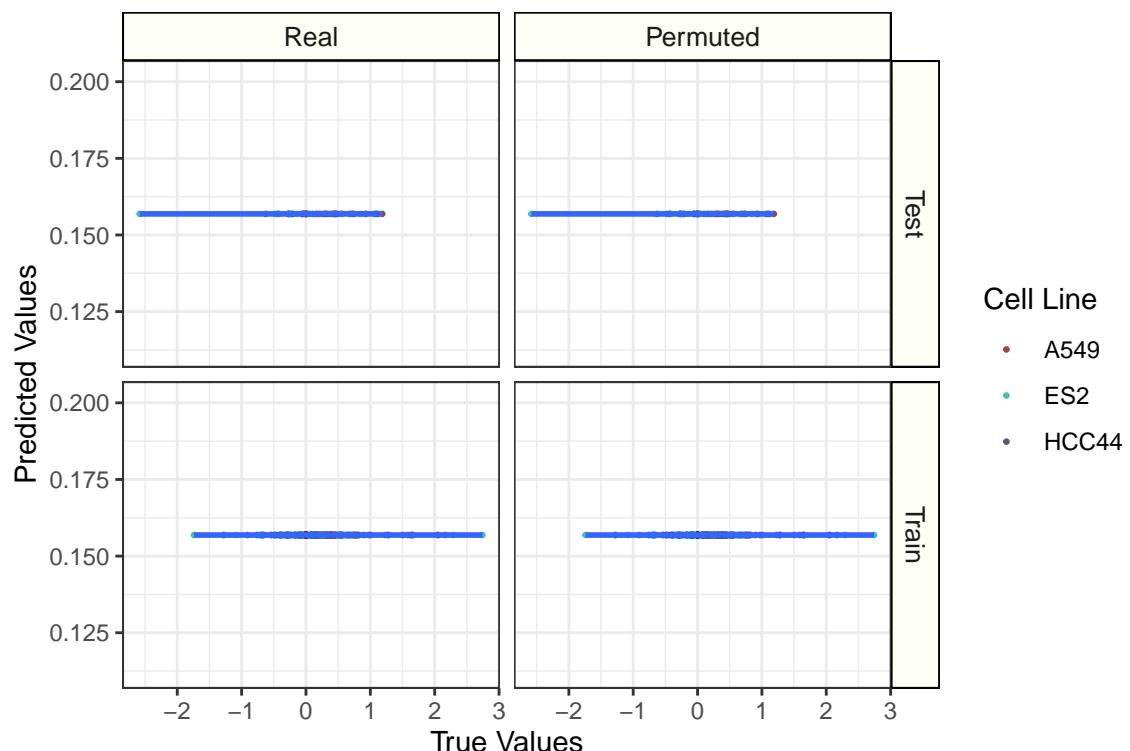


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.31
Test	Real	raw	-0.01	0.43
Train	Shuffle	raw	0.02	0.31
Test	Shuffle	raw	-0.03	0.43



Performance: cc_late_mitosis_n_spots_h2ax_per_nucleus_area

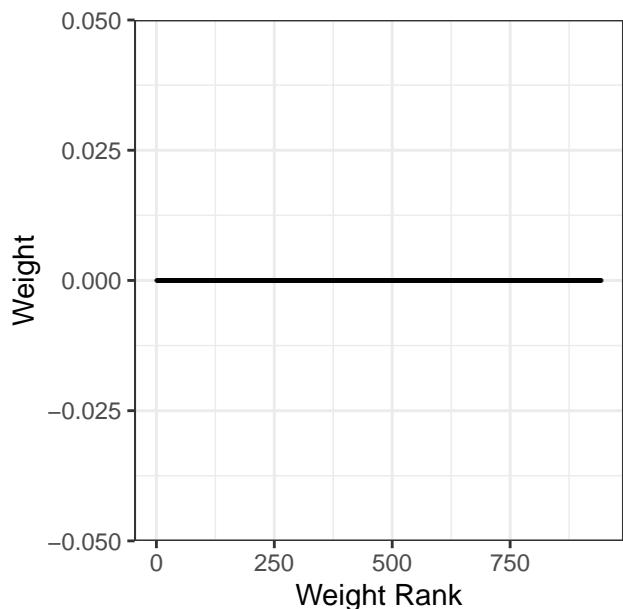
Transform: raw



Cell Line

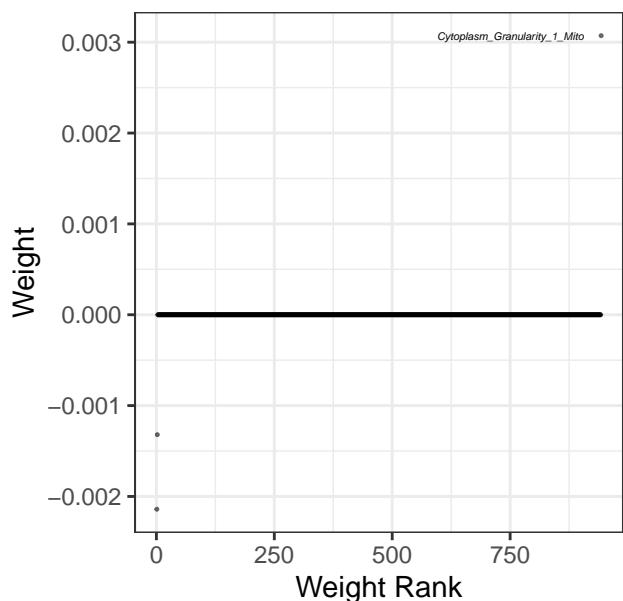
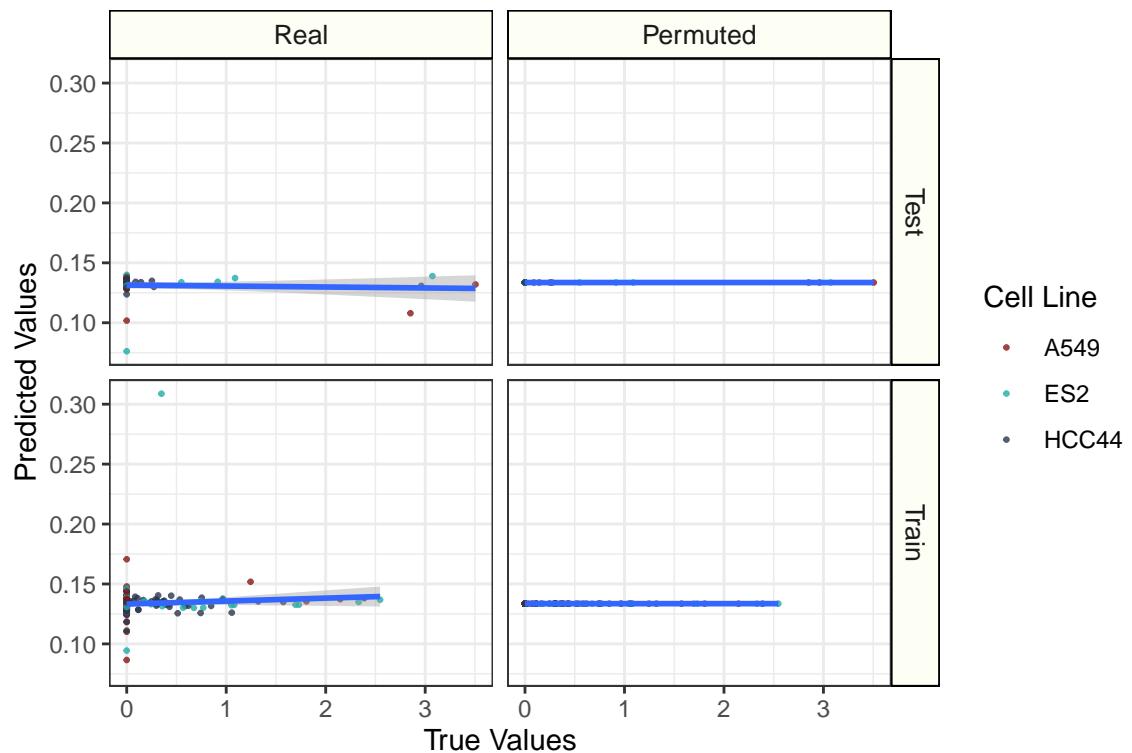
- A549
- ES2
- HCC44

fit	shuffle	transform	r2	value
Train	Real	raw	0	0.26
Test	Real	raw	0	0.35
Train	Shuffle	raw	0	0.26
Test	Shuffle	raw	0	0.35



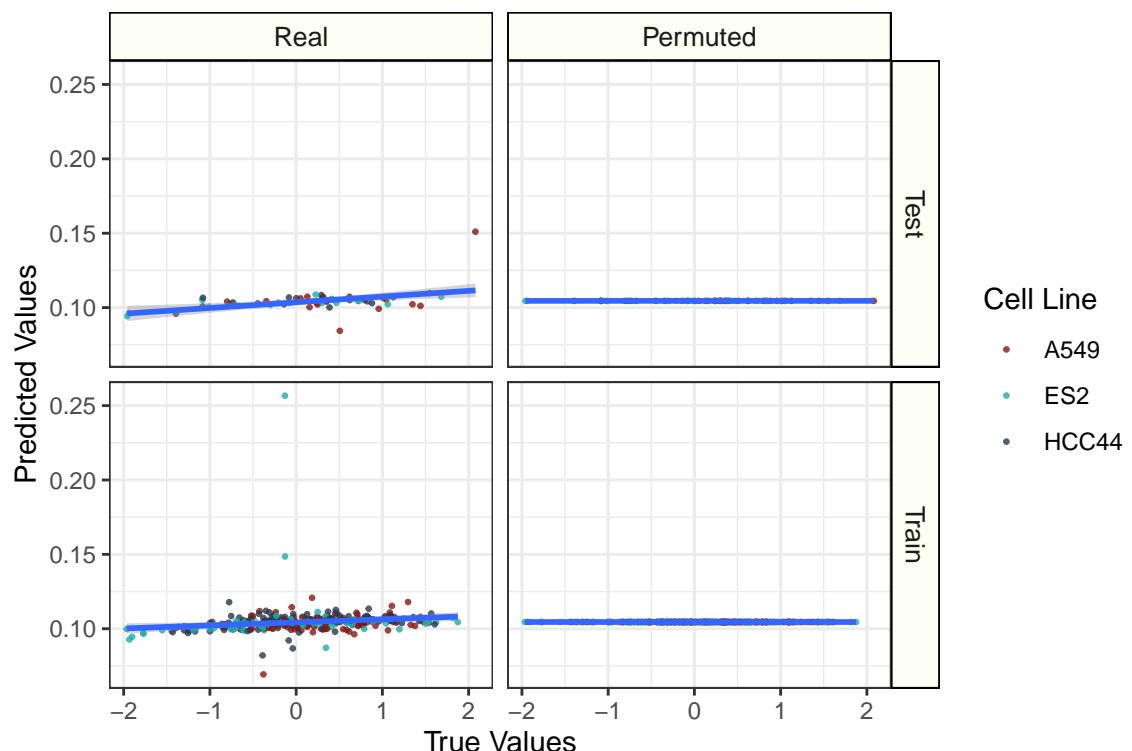
Performance: cc_mitosis_high_h2ax

Transform: raw

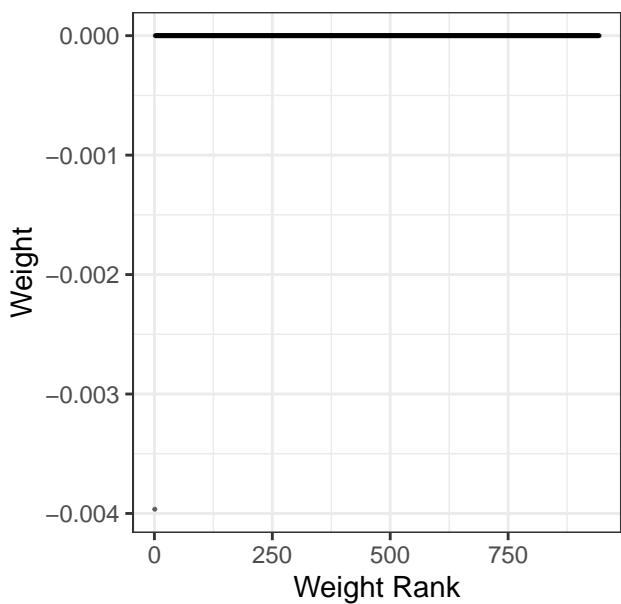


Performance: cc_mitosis_n_objects

Transform: raw

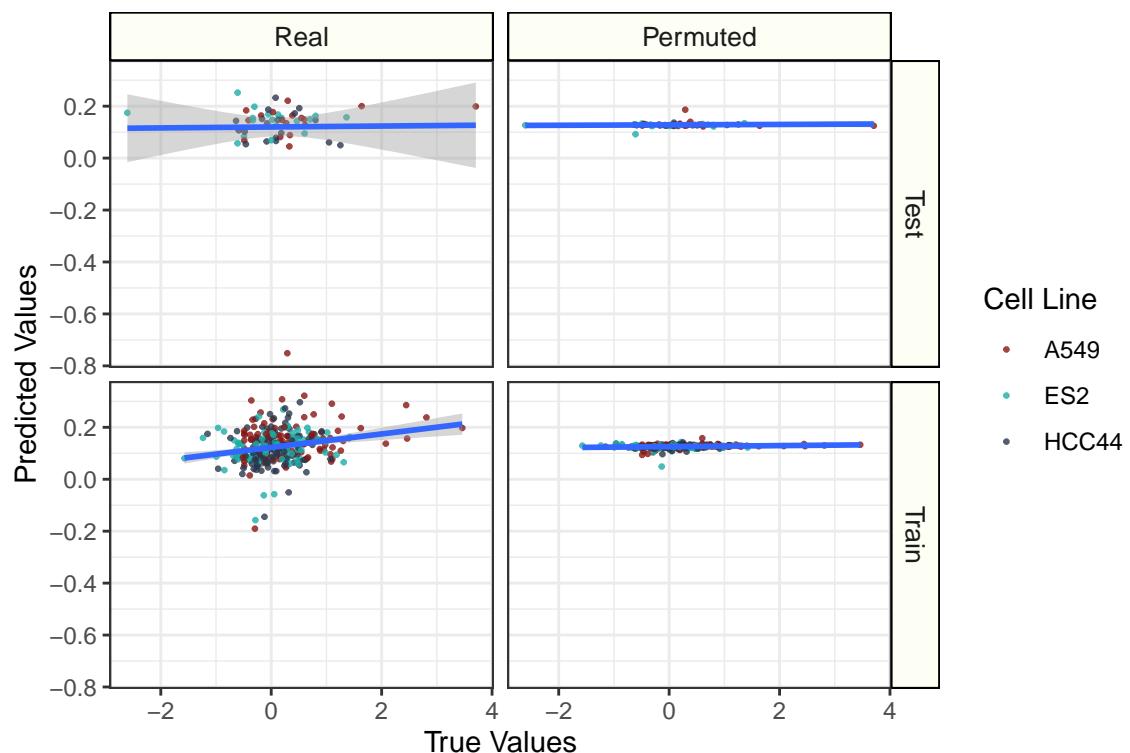


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.53
Test	Real	raw	0.00	0.74
Train	Shuffle	raw	0.00	0.54
Test	Shuffle	raw	-0.01	0.75

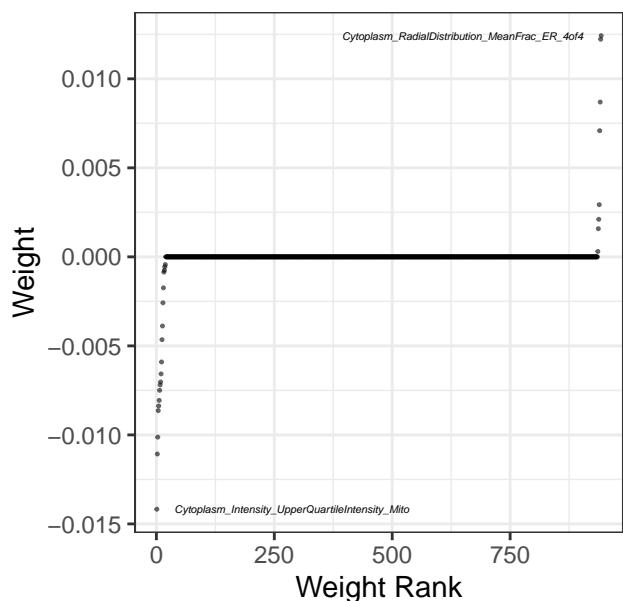


Performance: cc_mitosis_n_spots_h2ax_mean

Transform: raw

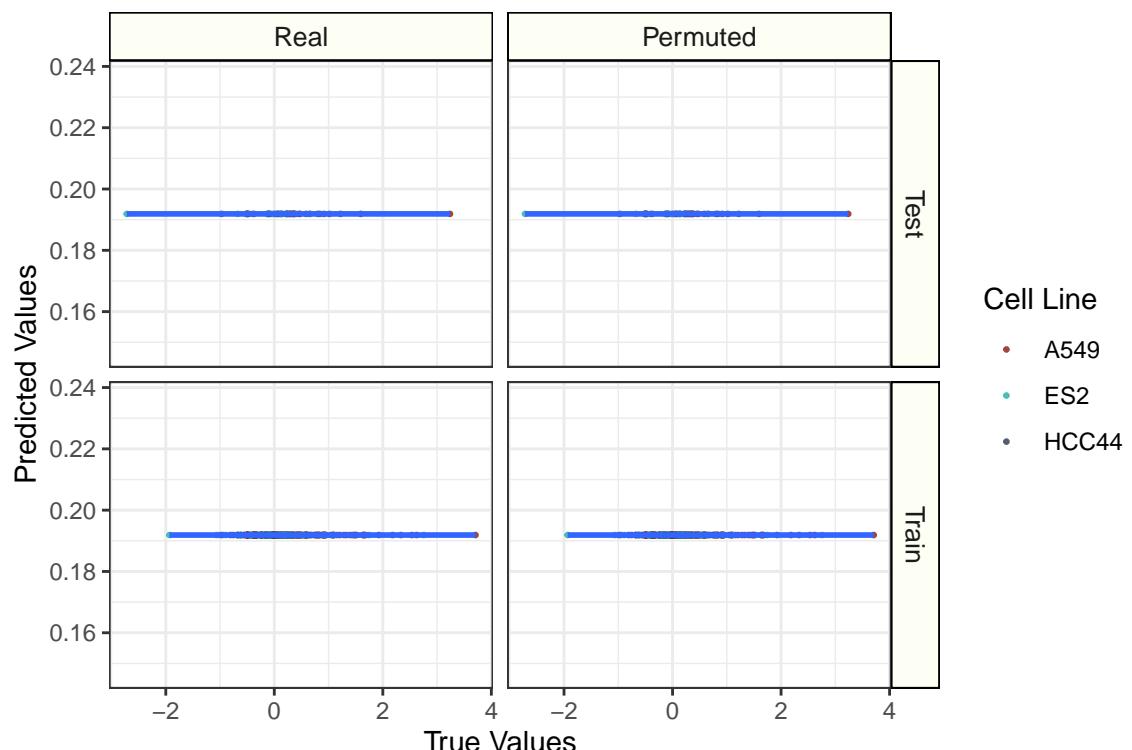


fit	shuffle	transform	r2	value
Train	Real	raw	0.04	0.35
Test	Real	raw	-0.03	0.65
Train	Shuffle	raw	0.00	0.36
Test	Shuffle	raw	0.00	0.63

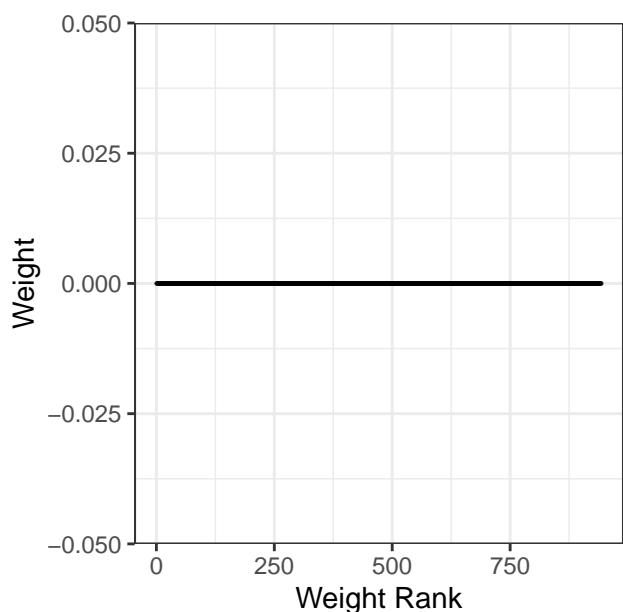


Performance: cc_mitosis_n_spots_h2ax_per_nucleus_area_mean

Transform: raw

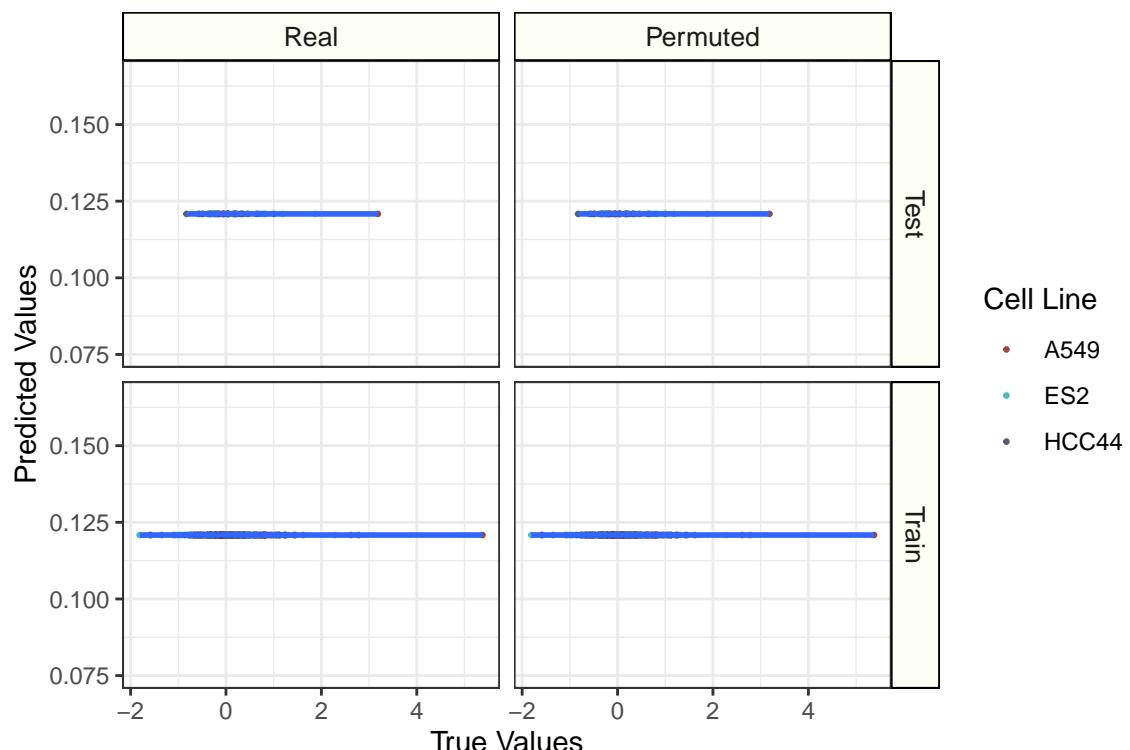


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.42
Test	Real	raw	0	0.55
Train	Shuffle	raw	0	0.42
Test	Shuffle	raw	0	0.55

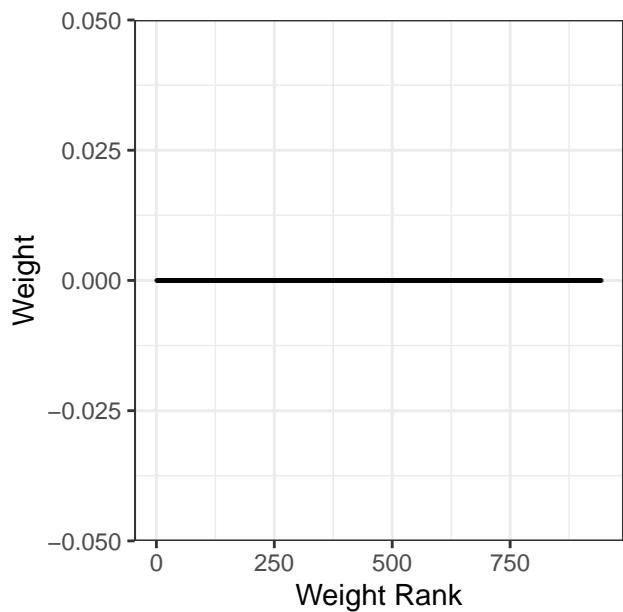


Performance: cc_polynuclear_high_h2ax

Transform: raw

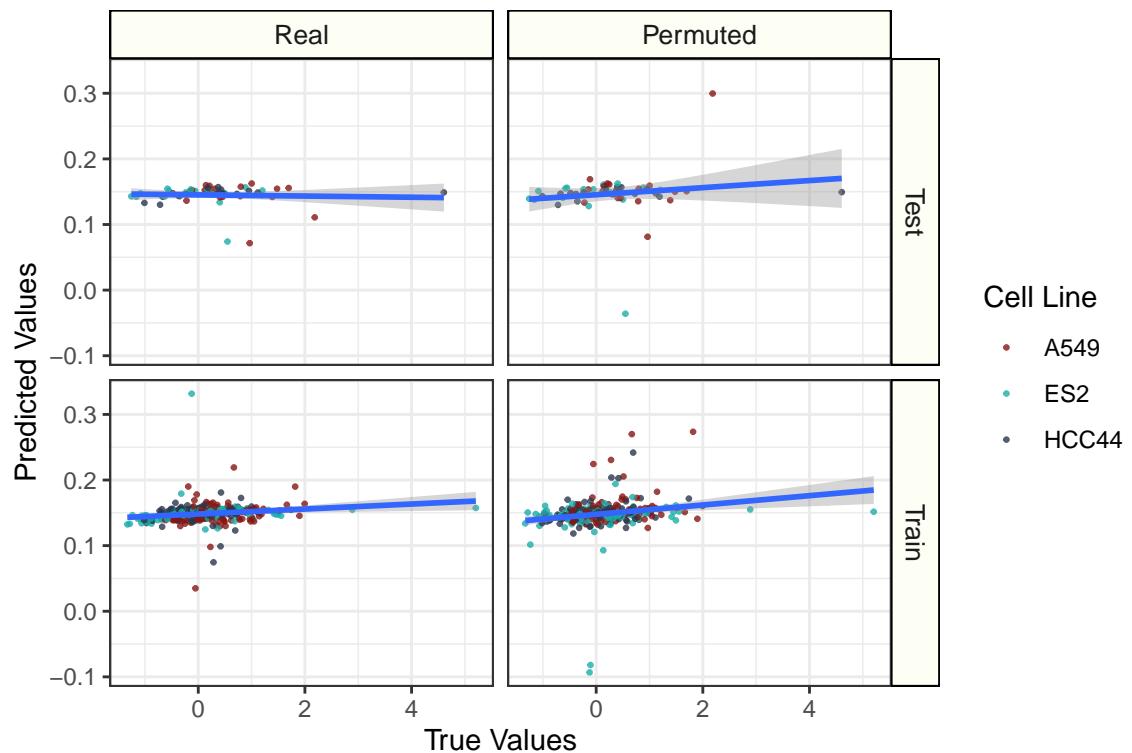


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.46
Test	Real	raw	0	0.42
Train	Shuffle	raw	0	0.46
Test	Shuffle	raw	0	0.42

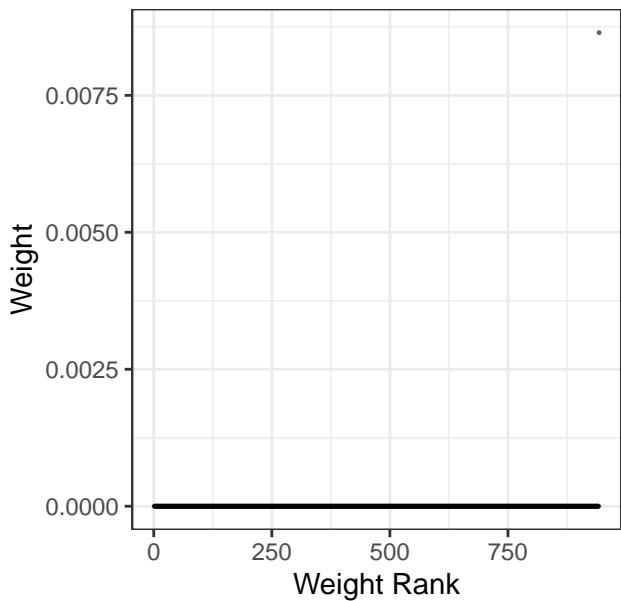


Performance: cc_polynuclear_n_objects

Transform: raw

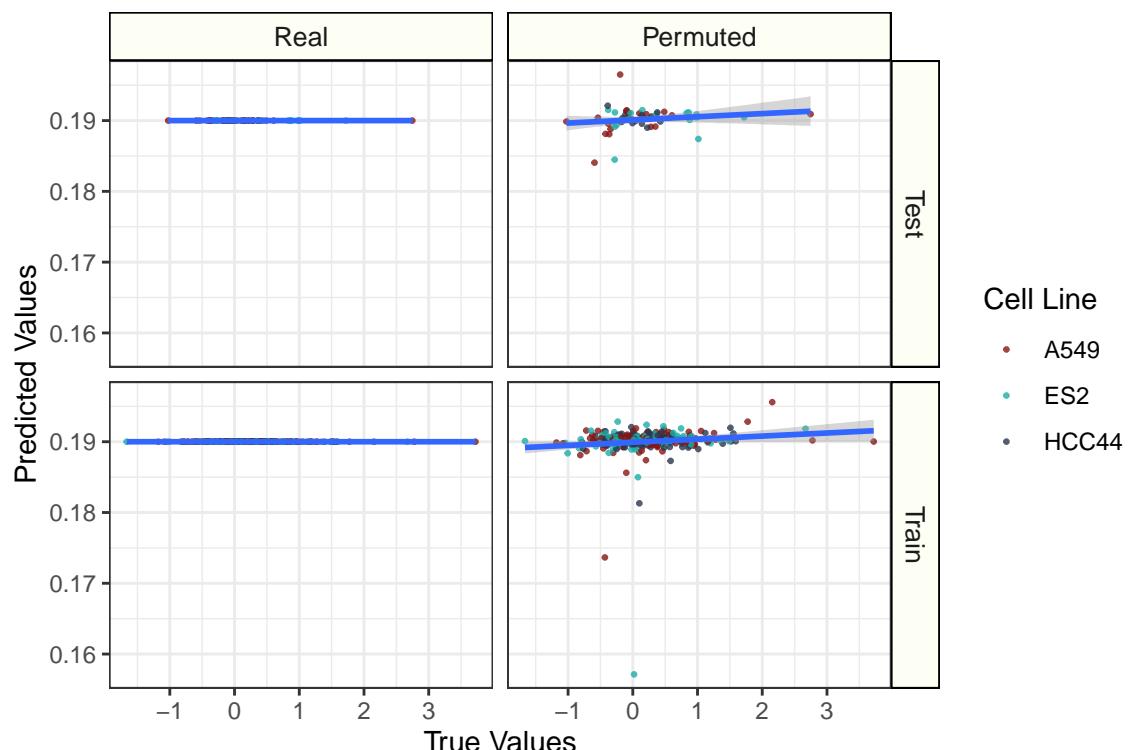


fit	shuffle	transform	r2	value
Train	Real	raw	0.01	0.48
Test	Real	raw	-0.04	0.91
Train	Shuffle	raw	0.01	0.48
Test	Shuffle	raw	-0.03	0.90

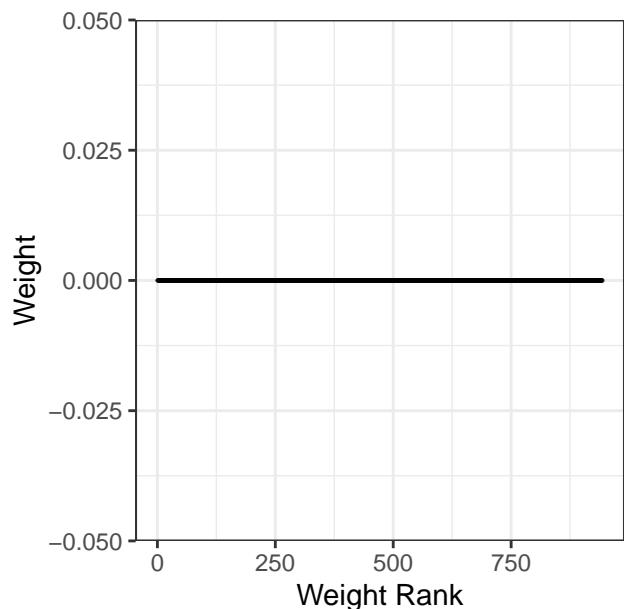


Performance: cc_polynuclear_n_spots_h2ax_mean

Transform: raw

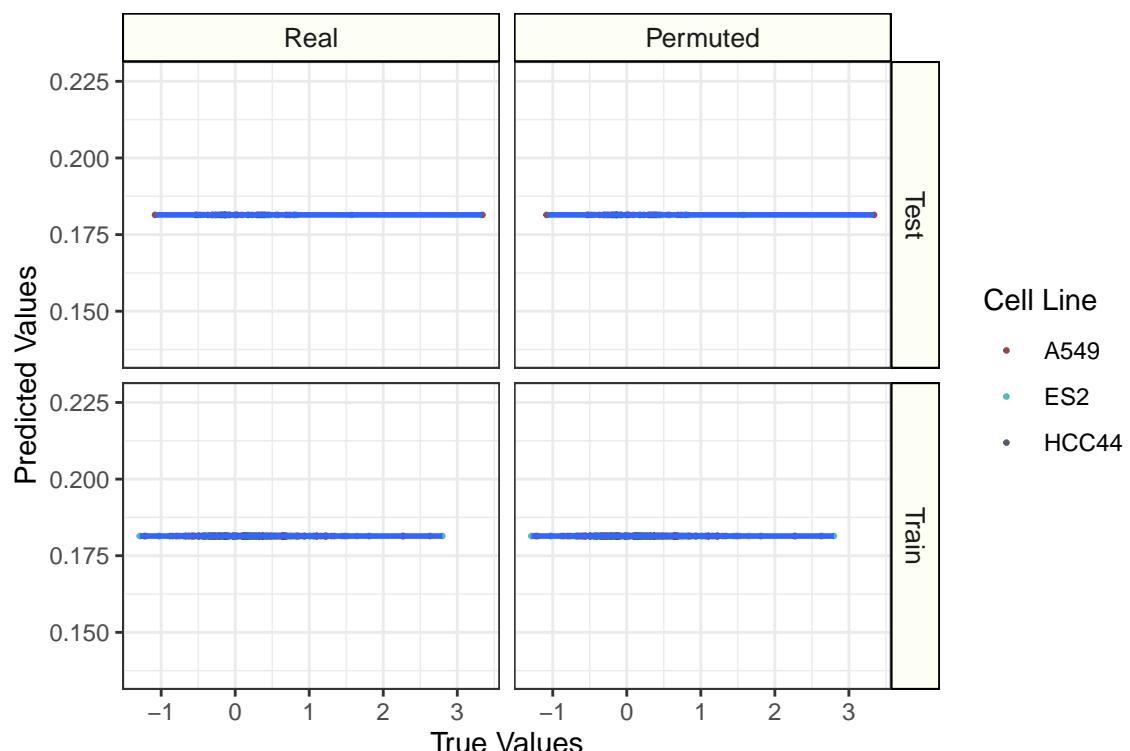


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.38
Test	Real	raw	0	0.36
Train	Shuffle	raw	0	0.38
Test	Shuffle	raw	0	0.36

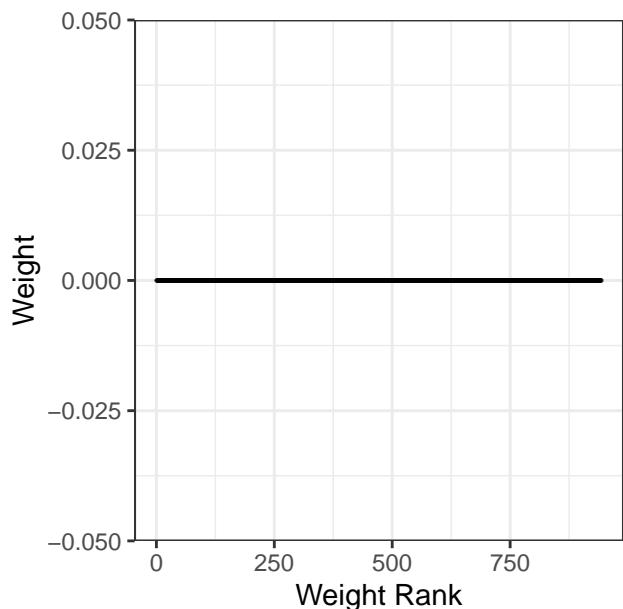


Performance: cc_polynuclear_n_spots_h2ax_per_nucleus_area

Transform: raw

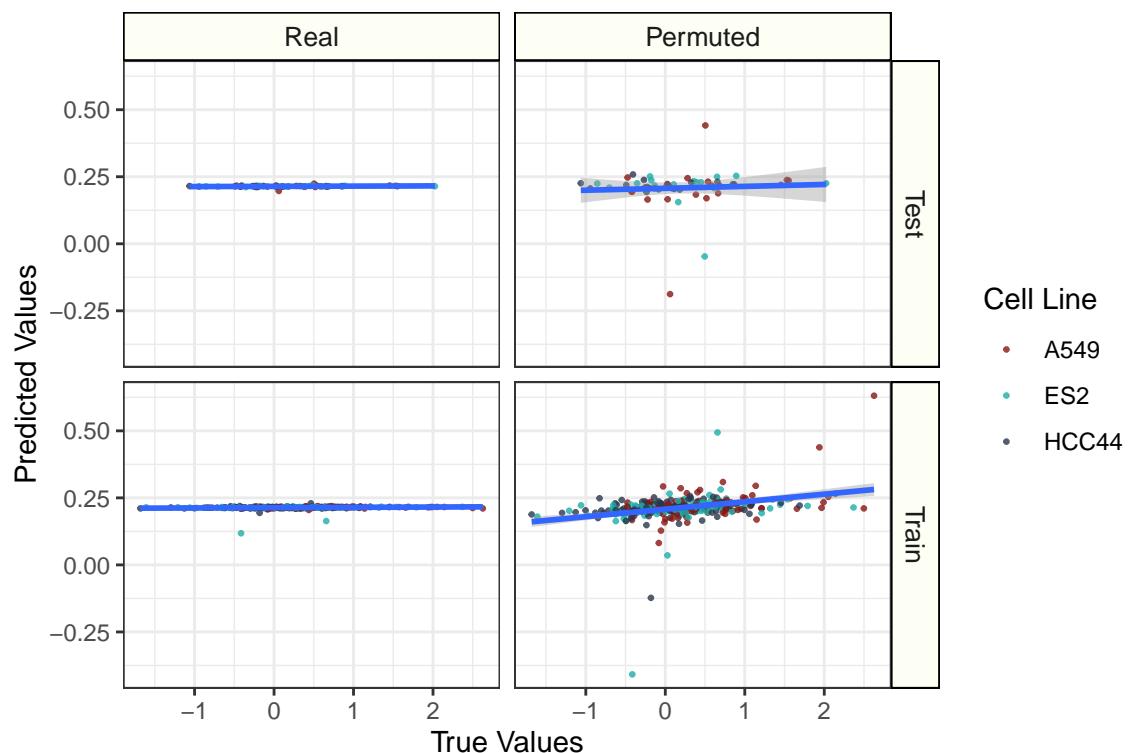


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.35
Test	Real	raw	0	0.40
Train	Shuffle	raw	0	0.35
Test	Shuffle	raw	0	0.40

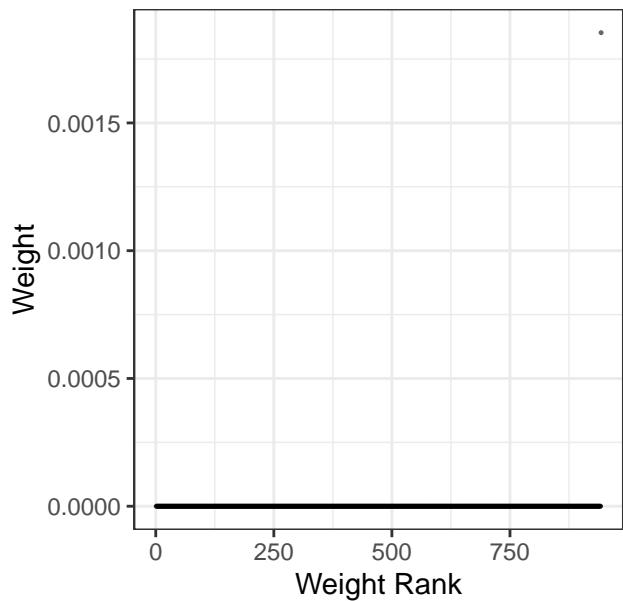


Performance: cc_polyplloid_high_h2ax

Transform: raw

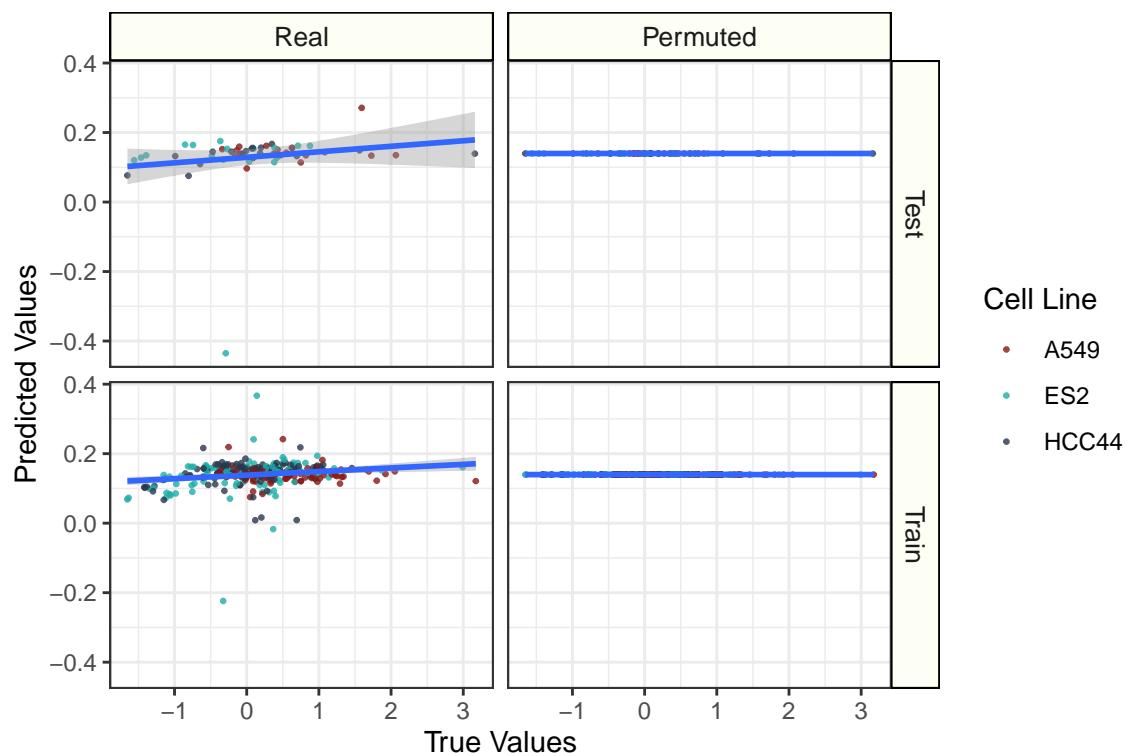


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.43
Test	Real	raw	0.00	0.38
Train	Shuffle	raw	0.05	0.41
Test	Shuffle	raw	0.00	0.38

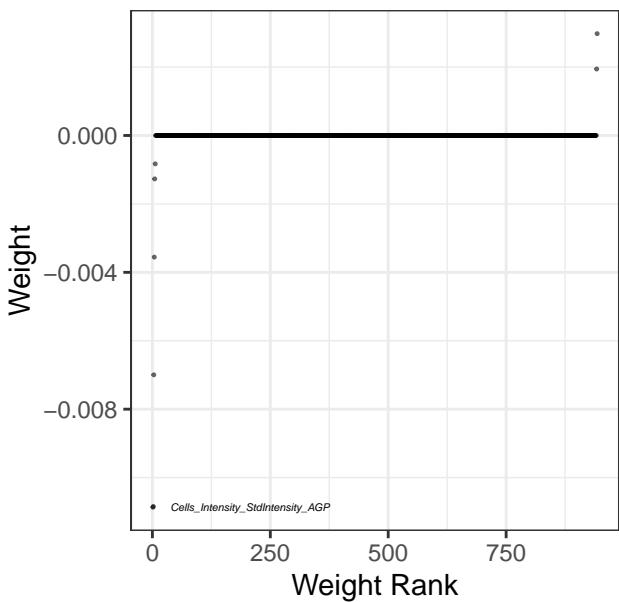


Performance: cc_polyplloid_n_objects

Transform: raw

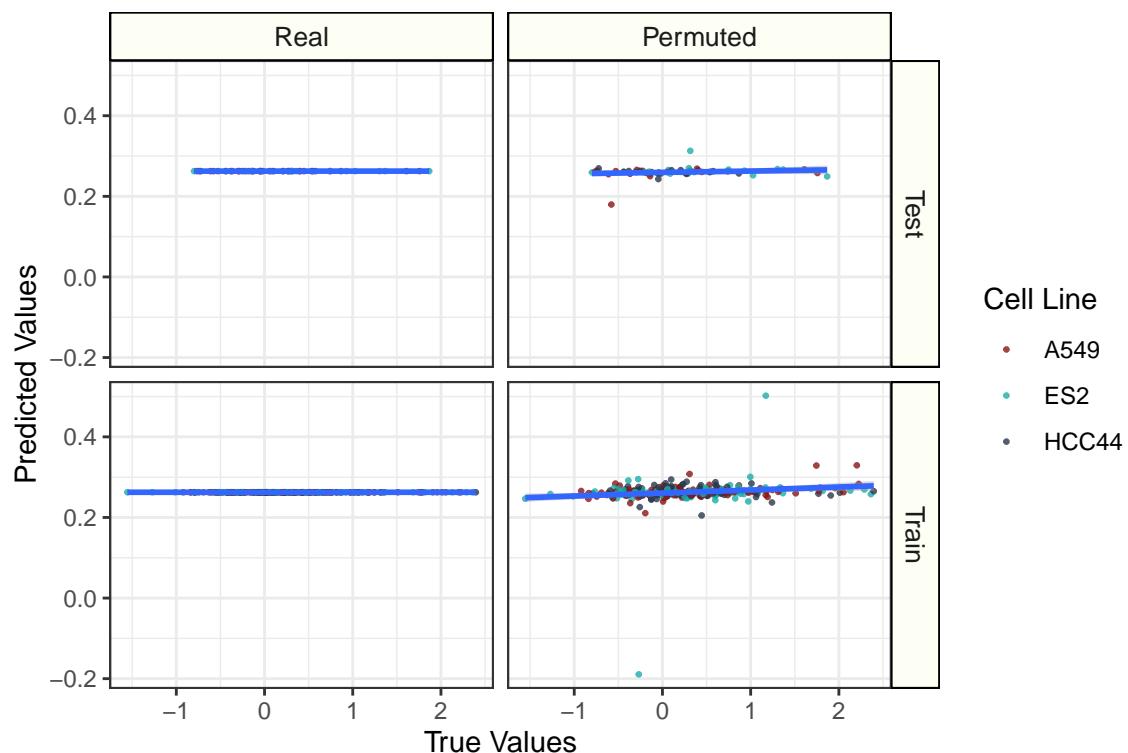


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.47
Test	Real	raw	0.02	0.75
Train	Shuffle	raw	0.00	0.47
Test	Shuffle	raw	0.00	0.77

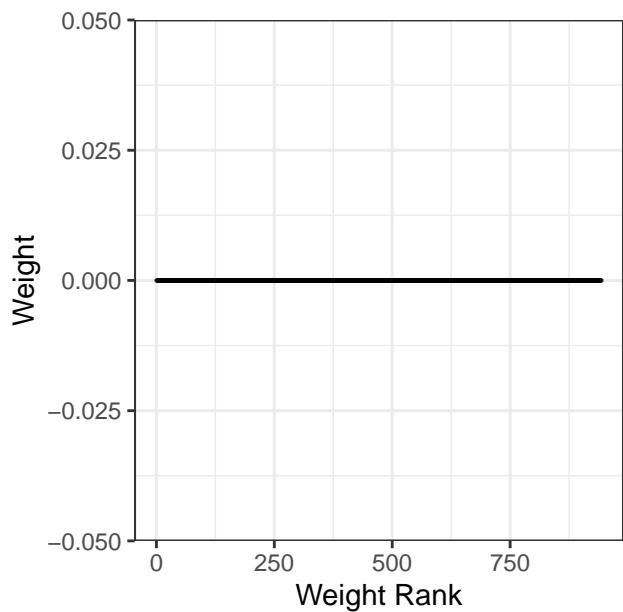


Performance: cc_polyplloid_n_spots_h2ax_mean

Transform: raw

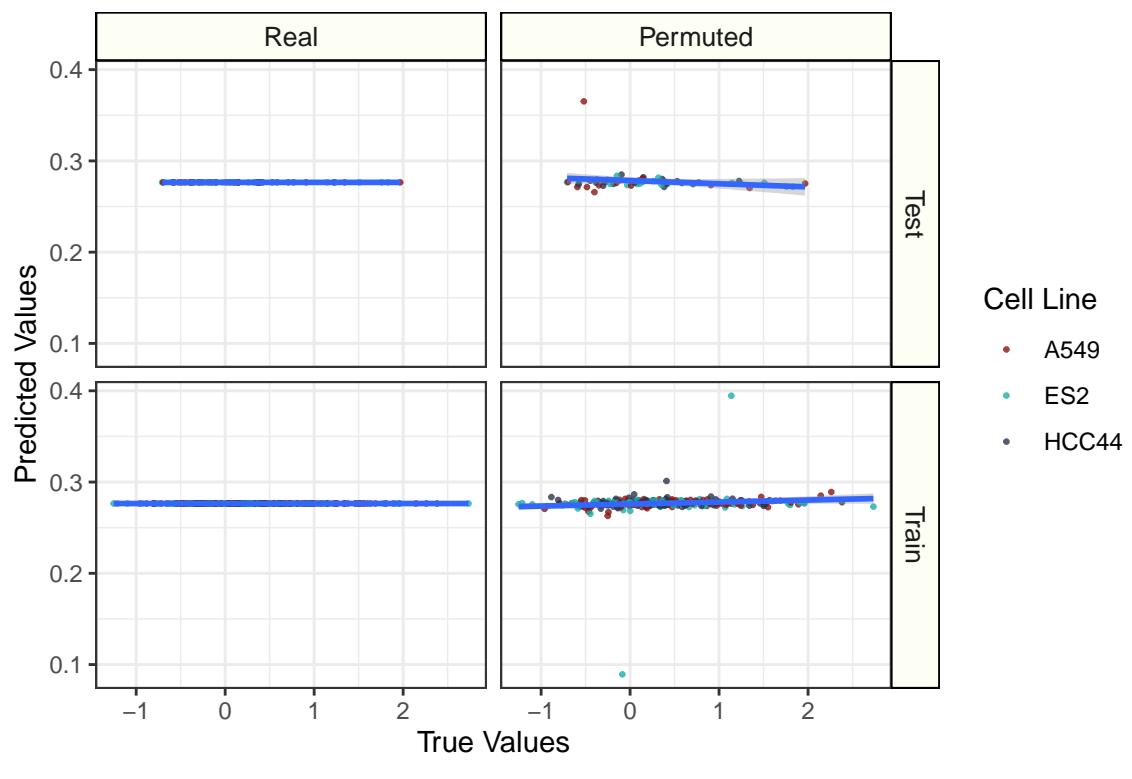


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.44
Test	Real	raw	-0.02	0.41
Train	Shuffle	raw	0.01	0.44
Test	Shuffle	raw	-0.01	0.40

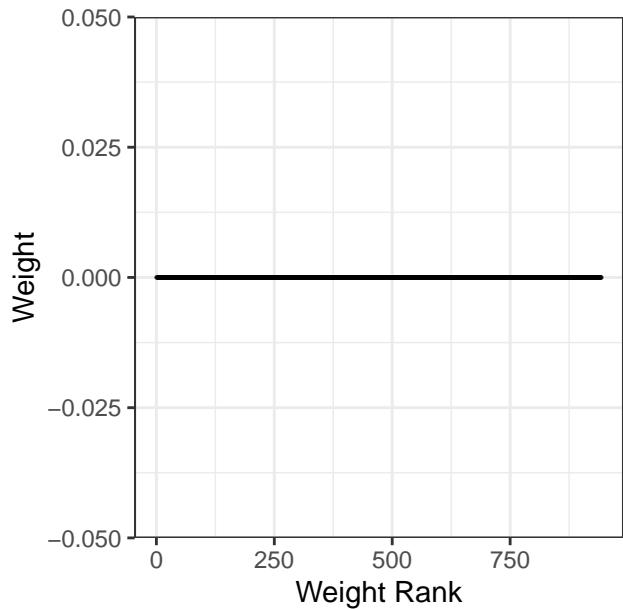


Performance: cc_polyplloid_n_spots_h2ax_per_nucleus_area_m

Transform: raw

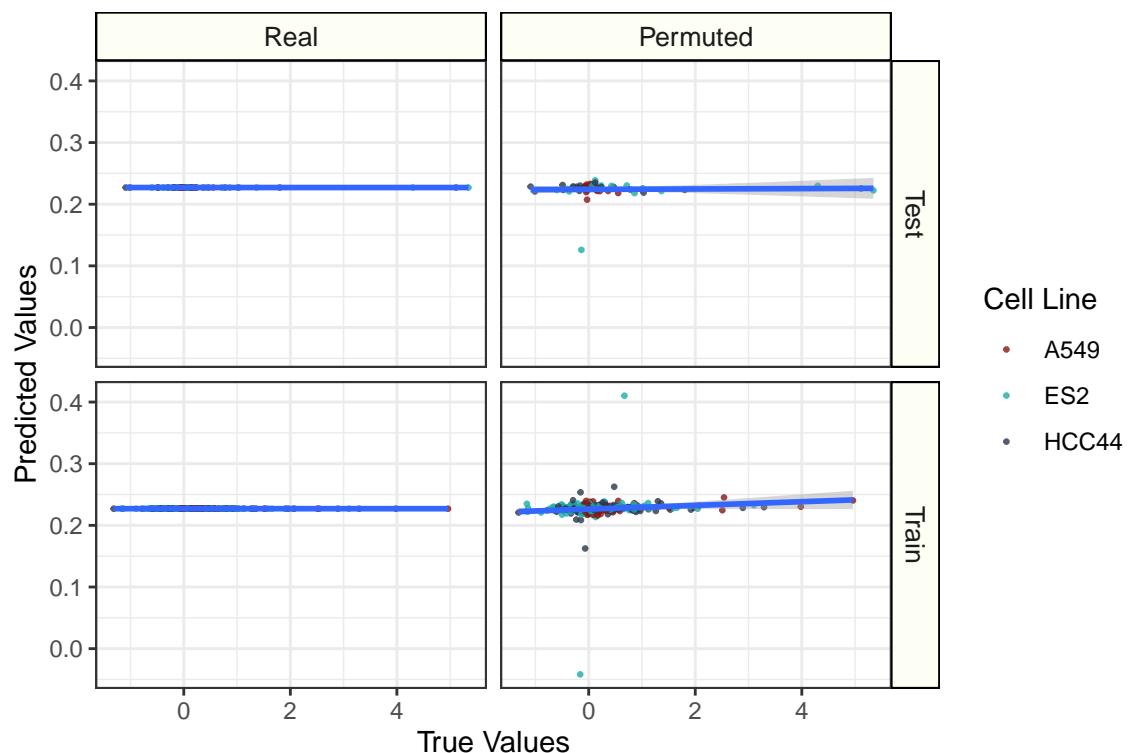


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.44
Test	Real	raw	-0.01	0.44
Train	Shuffle	raw	0.00	0.44
Test	Shuffle	raw	-0.01	0.44

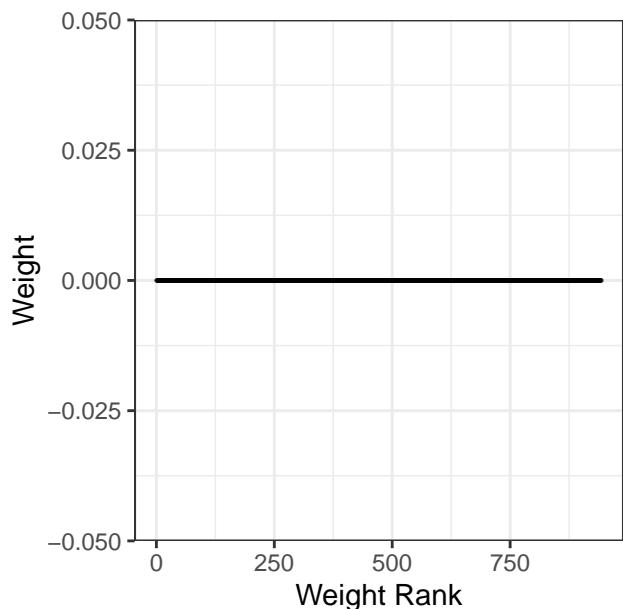


Performance: cc_s_high_h2ax

Transform: raw

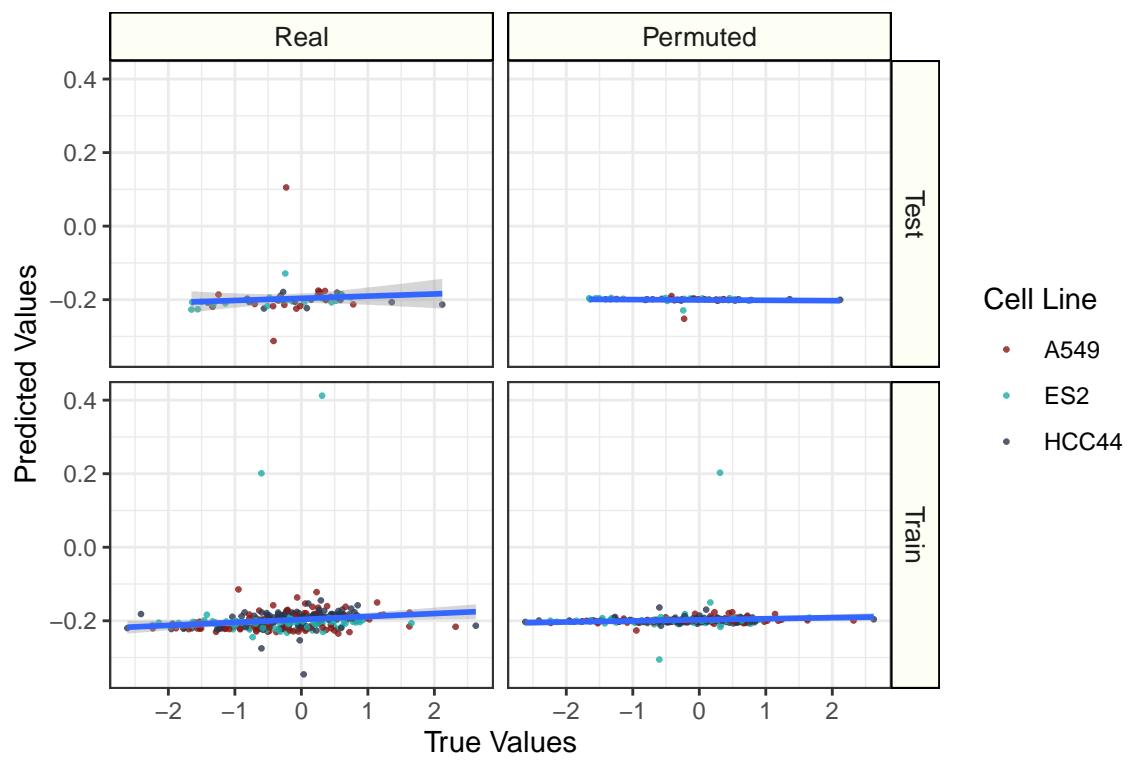


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.51
Test	Real	raw	-0.01	1.50
Train	Shuffle	raw	0.01	0.51
Test	Shuffle	raw	-0.01	1.50

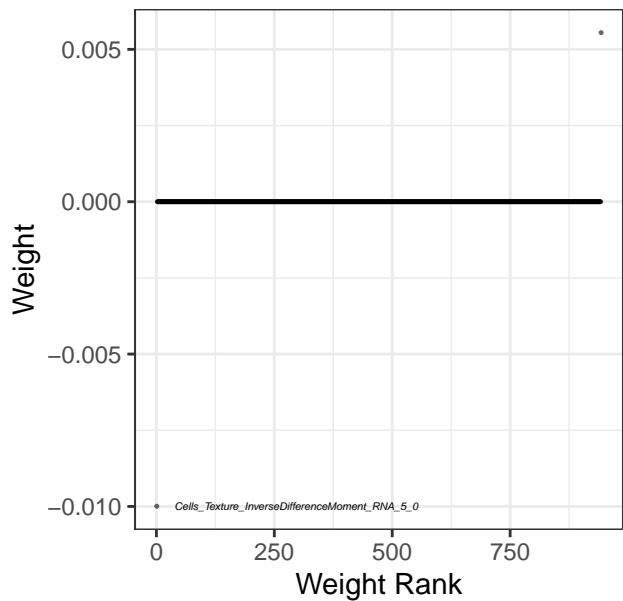


Performance: cc_s_intensity_nucleus_area_mean

Transform: raw

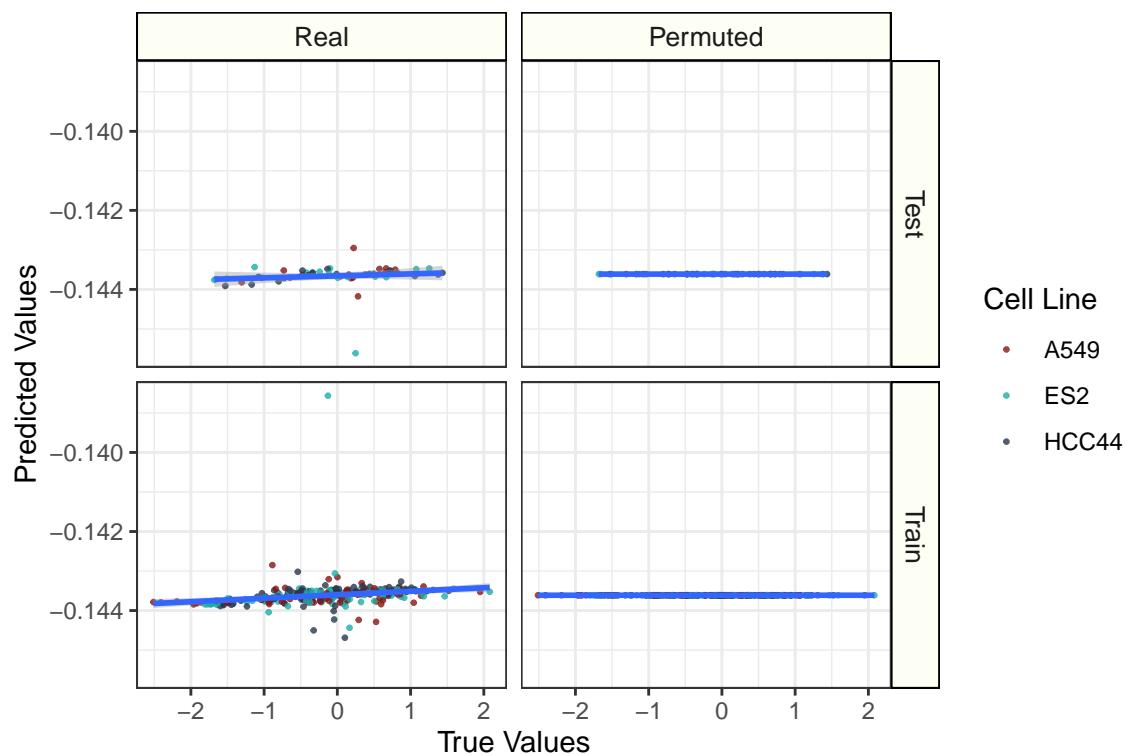


fit	shuffle	transform	r2	value
Train	Real	raw	0.01	0.58
Test	Real	raw	0.00	0.59
Train	Shuffle	raw	0.00	0.59
Test	Shuffle	raw	-0.01	0.60

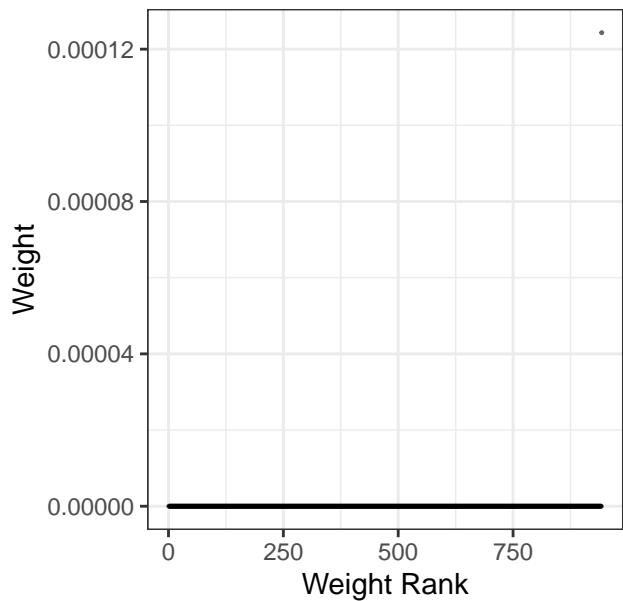


Performance: cc_s_intensity_nucleus_area_sum

Transform: raw

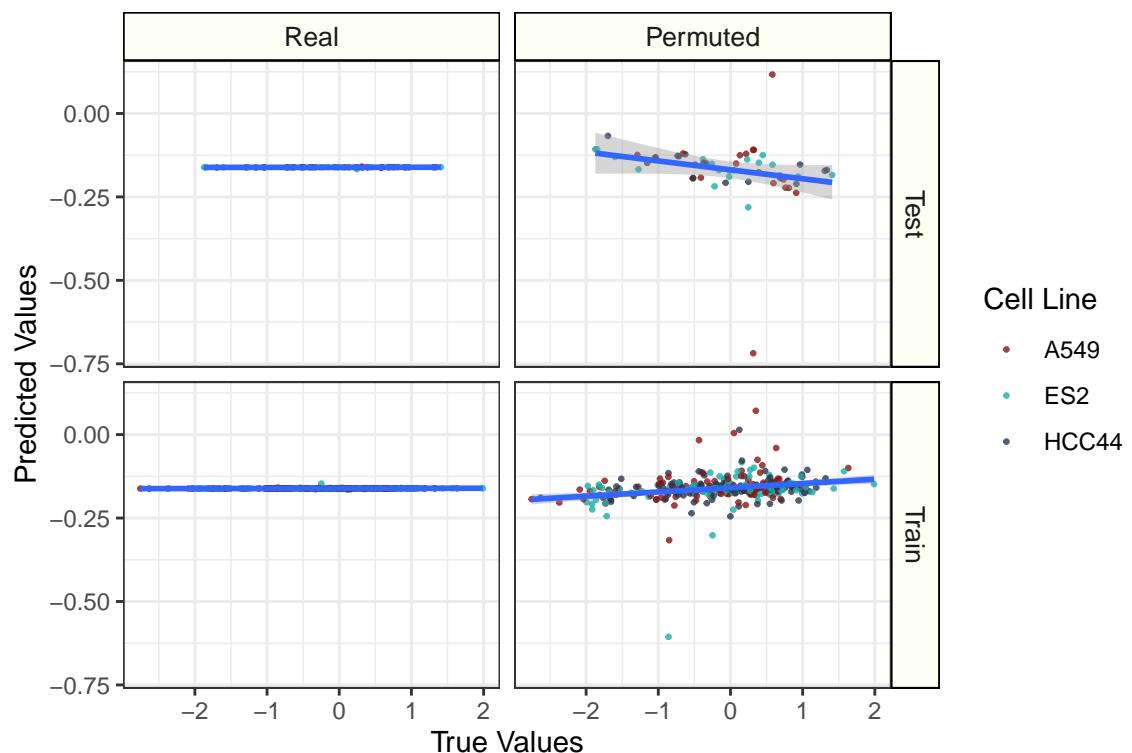


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.69
Test	Real	raw	-0.01	0.63
Train	Shuffle	raw	0.00	0.69
Test	Shuffle	raw	-0.01	0.63

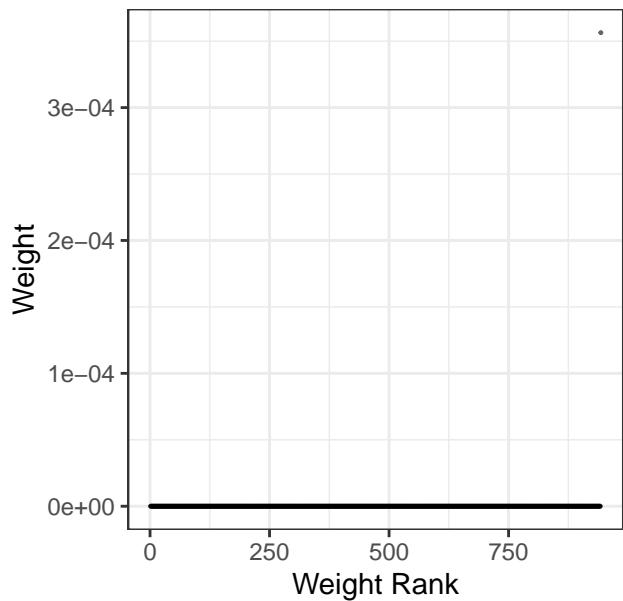


Performance: cc_s_n_objects

Transform: raw

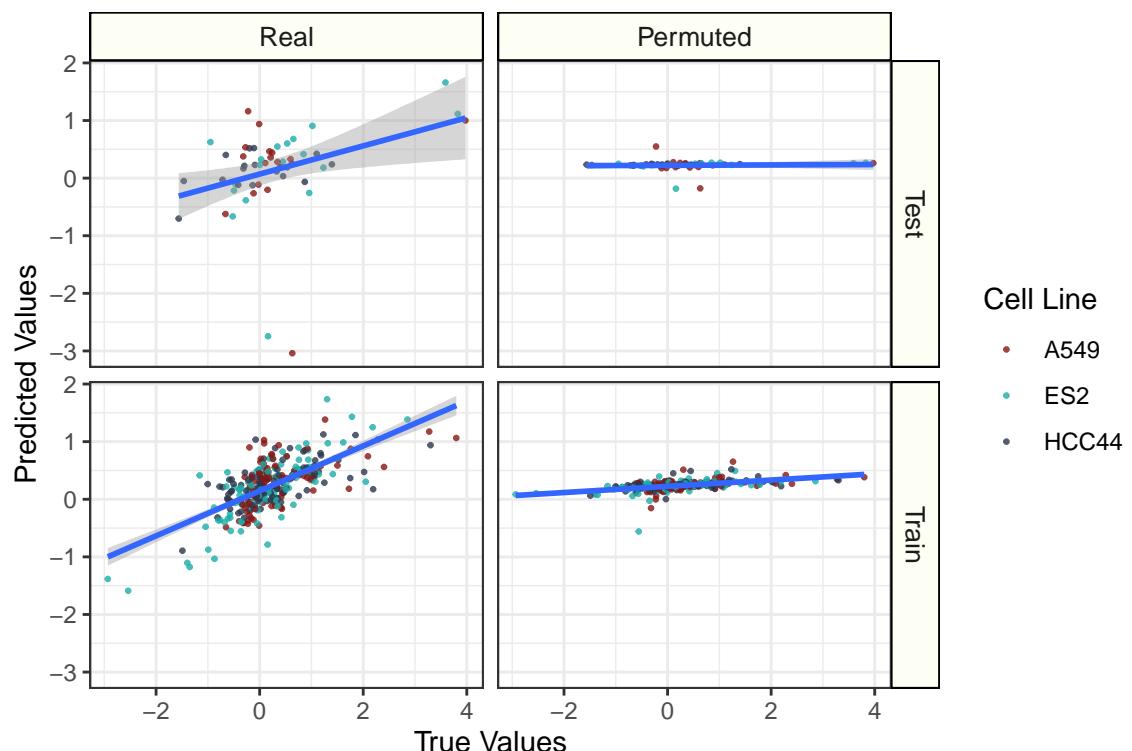


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.73
Test	Real	raw	-0.02	0.68
Train	Shuffle	raw	0.02	0.71
Test	Shuffle	raw	-0.09	0.73

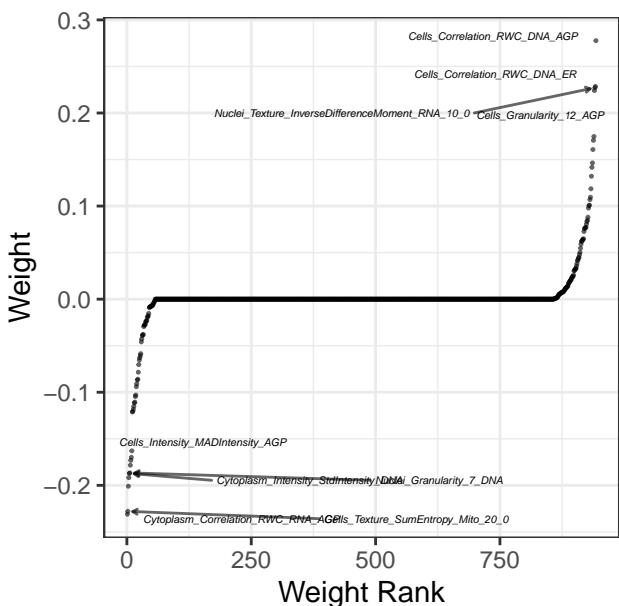


Performance: cc_s_n_spots_h2ax_mean

Transform: raw

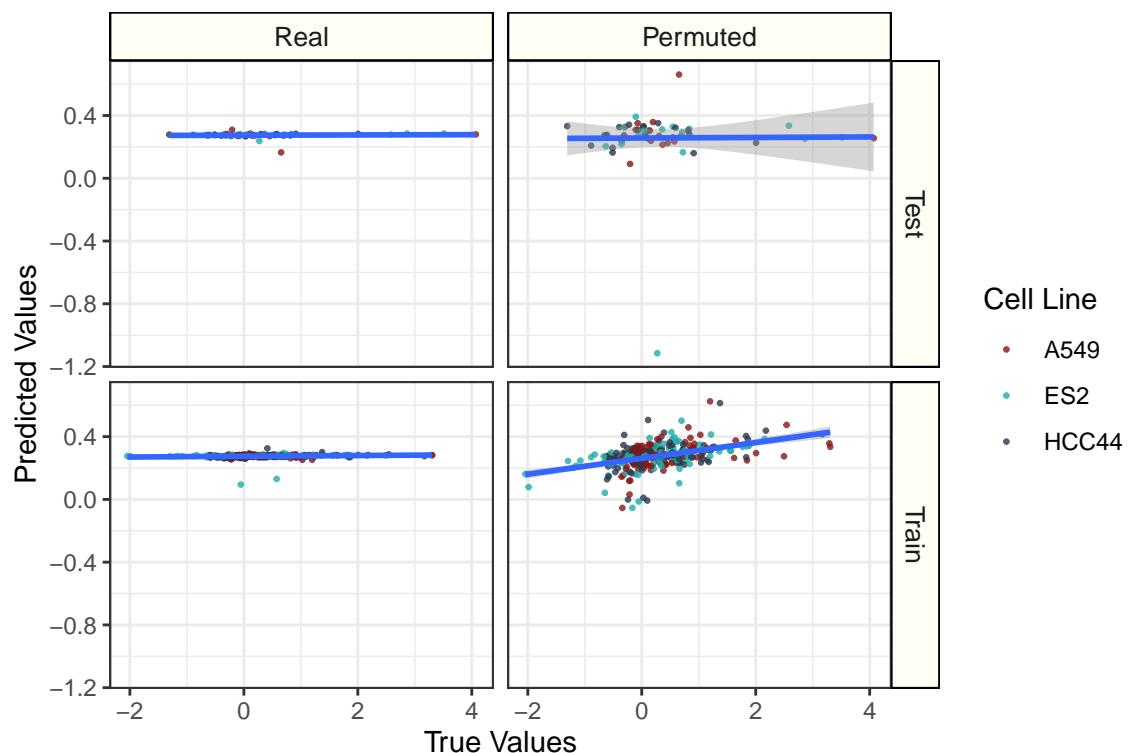


fit	shuffle	transform	r2	value
Train	Real	raw	0.46	0.33
Test	Real	raw	-0.04	1.13
Train	Shuffle	raw	0.09	0.55
Test	Shuffle	raw	-0.01	1.09

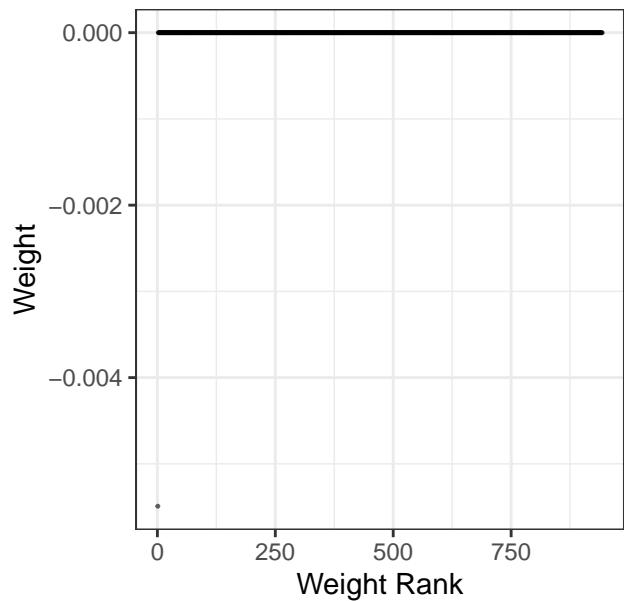


Performance: cc_s_n_spots_h2ax_per_nucleus_area_mean

Transform: raw

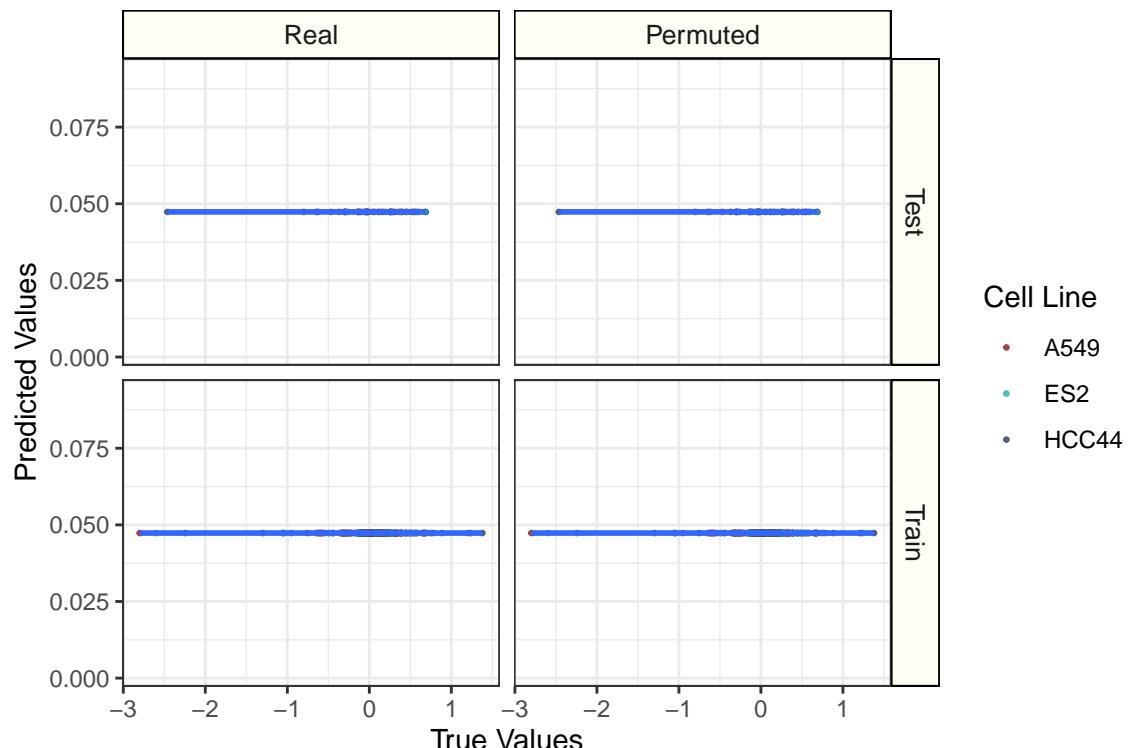


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.51
Test	Real	raw	0.00	1.01
Train	Shuffle	raw	0.09	0.47
Test	Shuffle	raw	-0.04	1.05

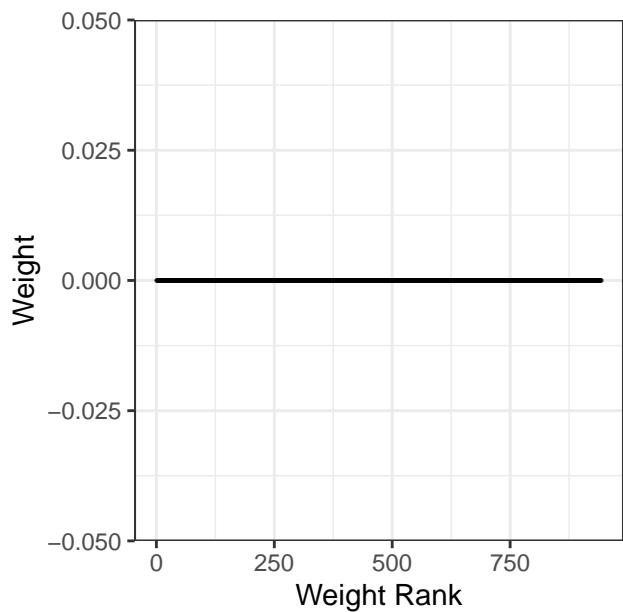


Performance: vb_infection_percentage

Transform: raw

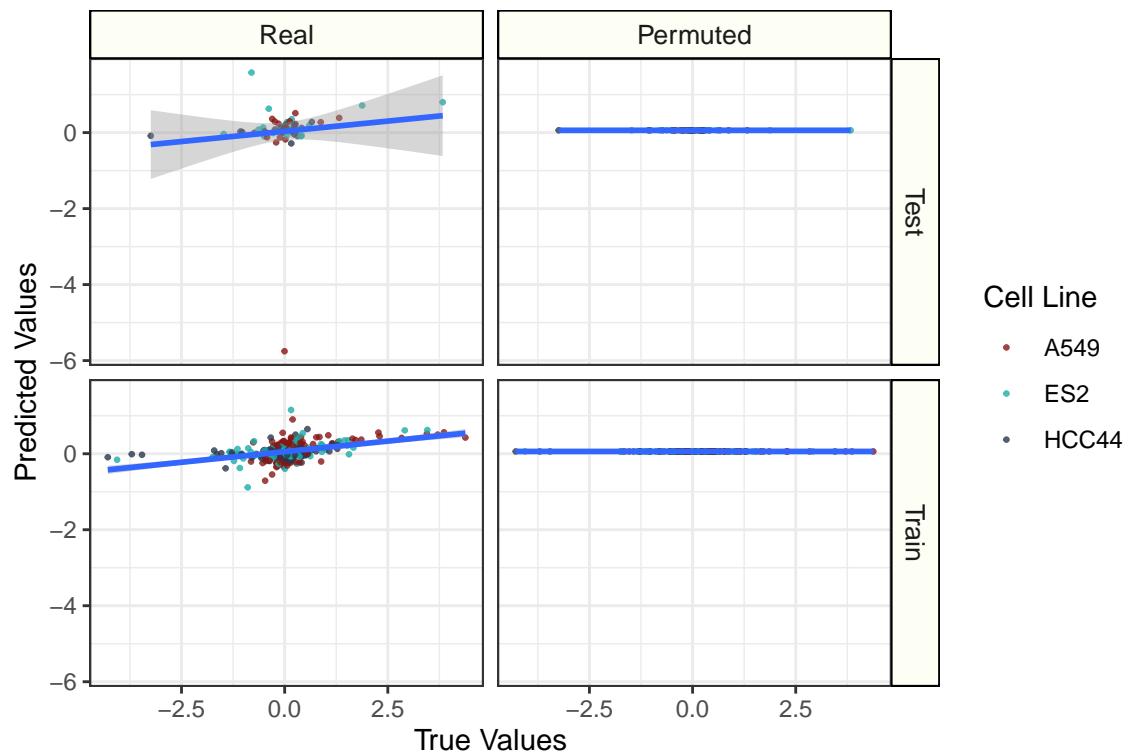


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.18
Test	Real	raw	0	0.23
Train	Shuffle	raw	0	0.18
Test	Shuffle	raw	0	0.23

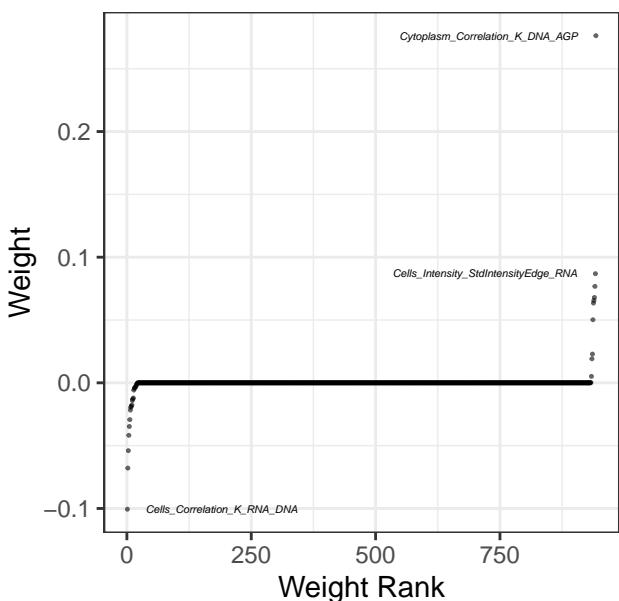


Performance: vb_live_cell_area

Transform: raw

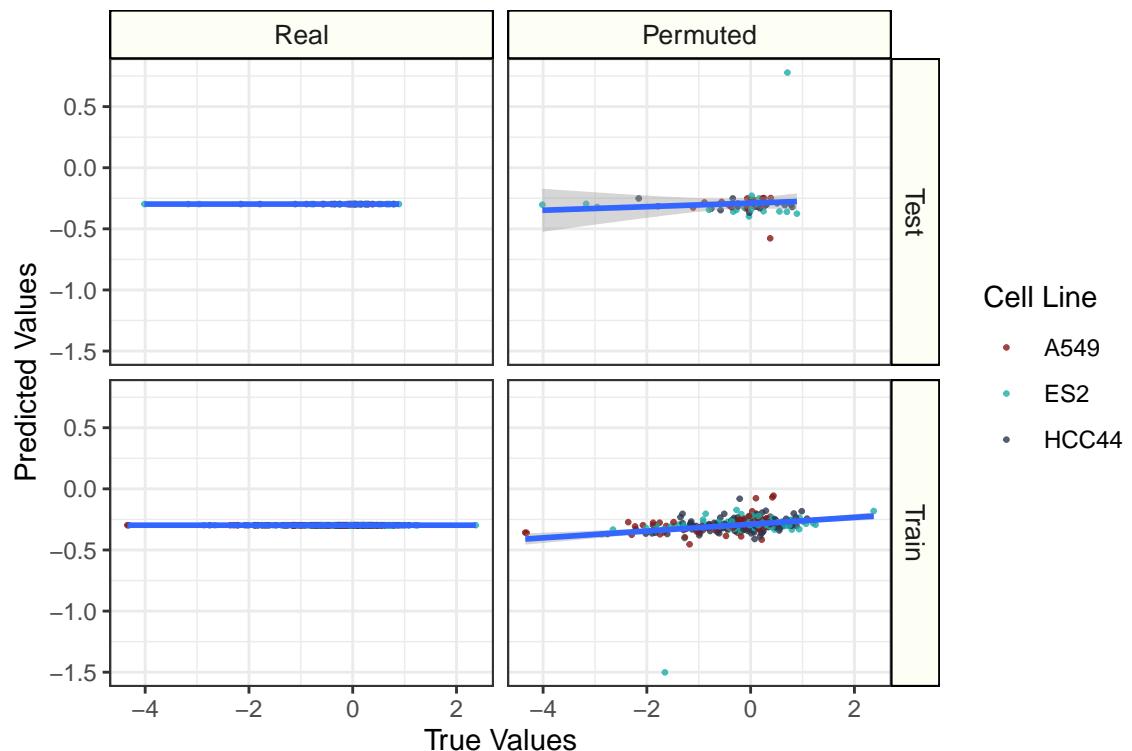


fit	shuffle	transform	r2	value
Train	Real	raw	0.16	0.73
Test	Real	raw	-0.74	1.31
Train	Shuffle	raw	0.00	0.87
Test	Shuffle	raw	-0.01	0.76

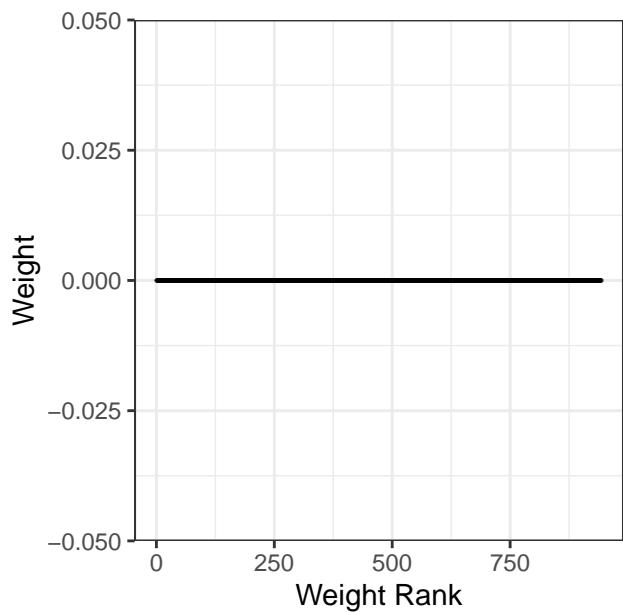


Performance: vb_live_cell_roundness

Transform: raw

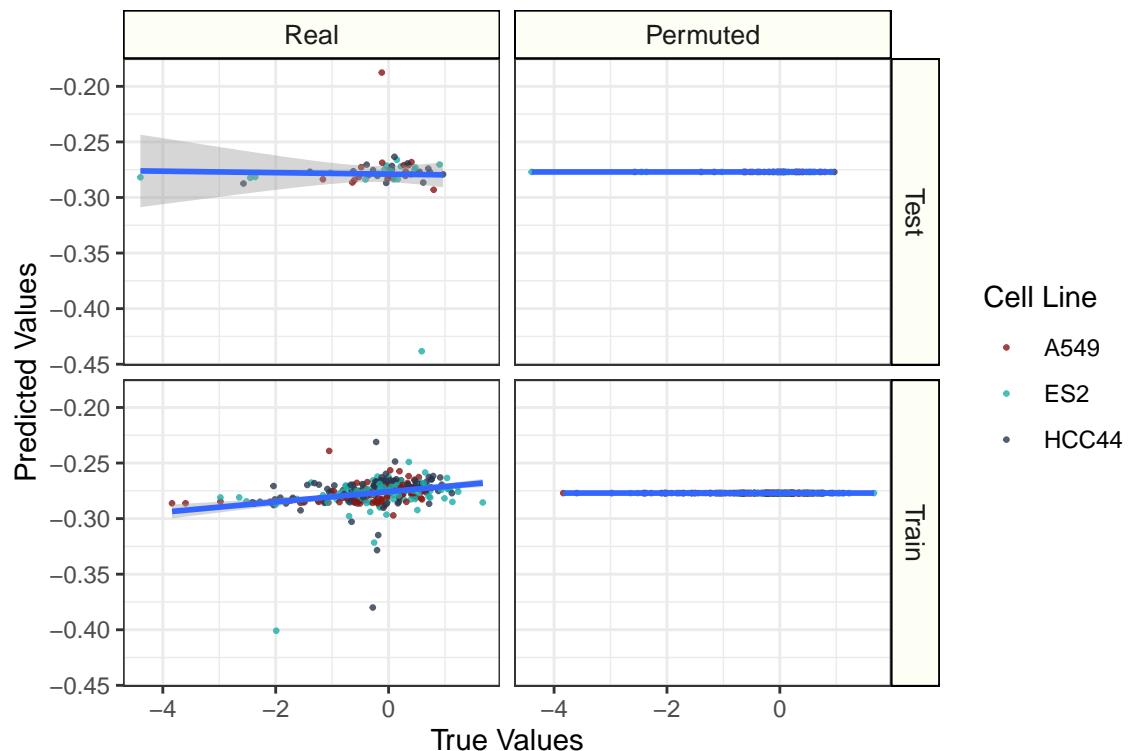


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.72
Test	Real	raw	-0.01	0.93
Train	Shuffle	raw	0.05	0.68
Test	Shuffle	raw	0.00	0.92

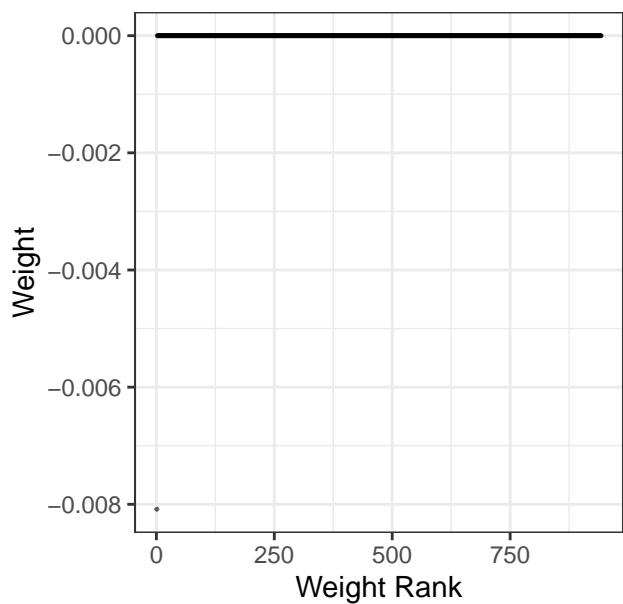


Performance: vb_live_cell_width_length

Transform: raw

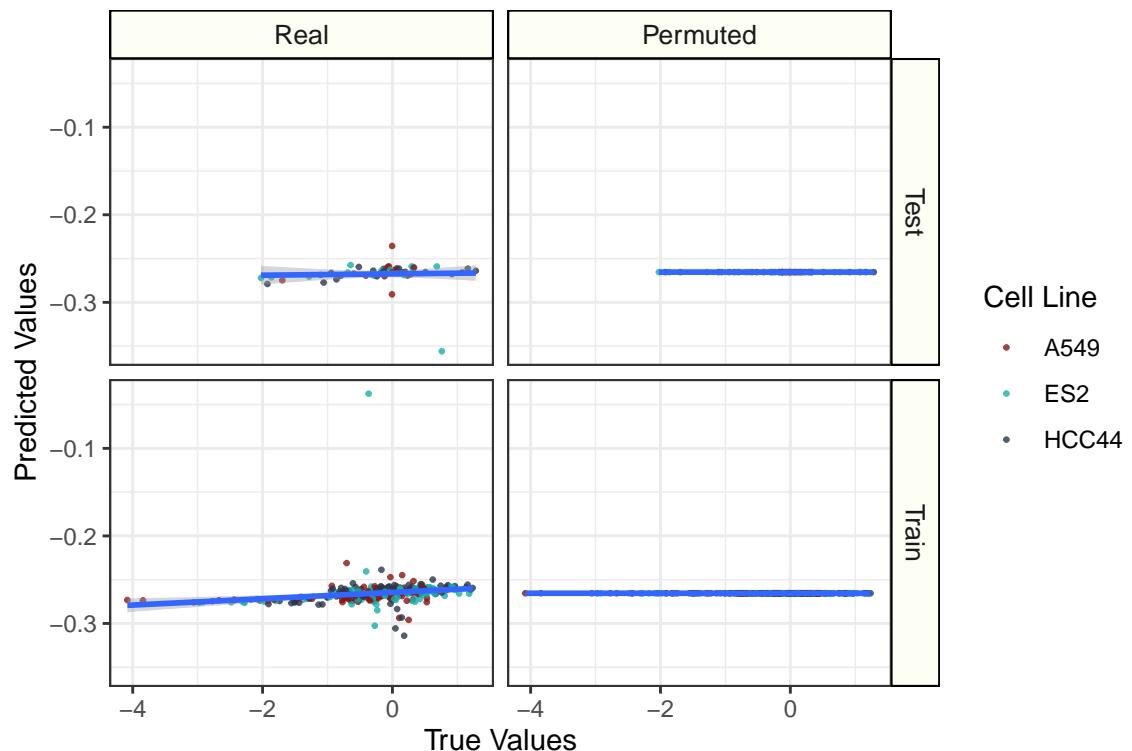


fit	shuffle	transform	r2	value
Train	Real	raw	0.01	0.74
Test	Real	raw	-0.01	0.91
Train	Shuffle	raw	0.00	0.74
Test	Shuffle	raw	-0.01	0.91

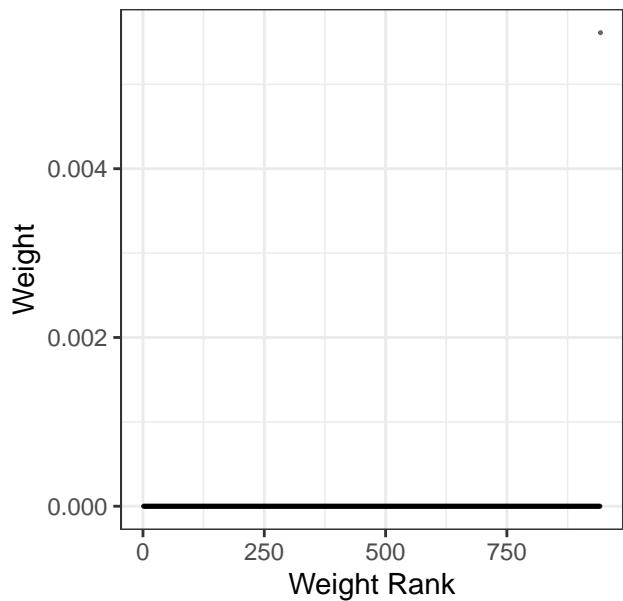


Performance: vb_num_live_cells

Transform: raw

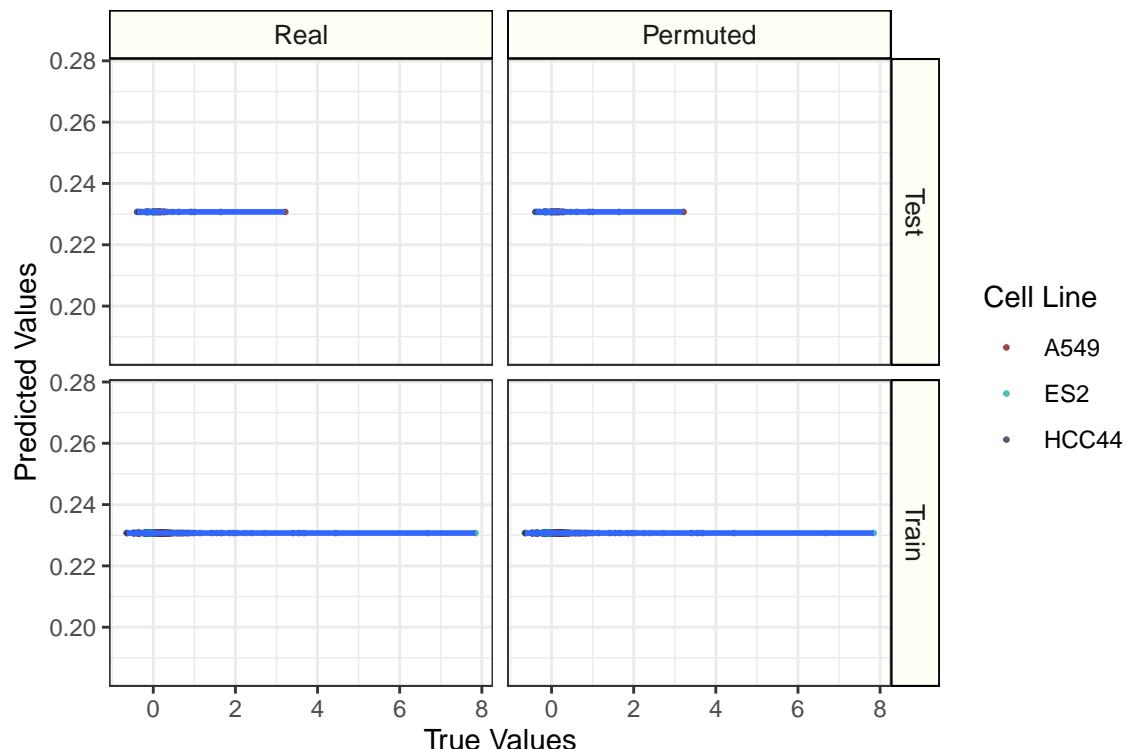


fit	shuffle	transform	r2	value
Train	Real	raw	0.01	0.76
Test	Real	raw	-0.02	0.52
Train	Shuffle	raw	0.00	0.77
Test	Shuffle	raw	-0.02	0.52

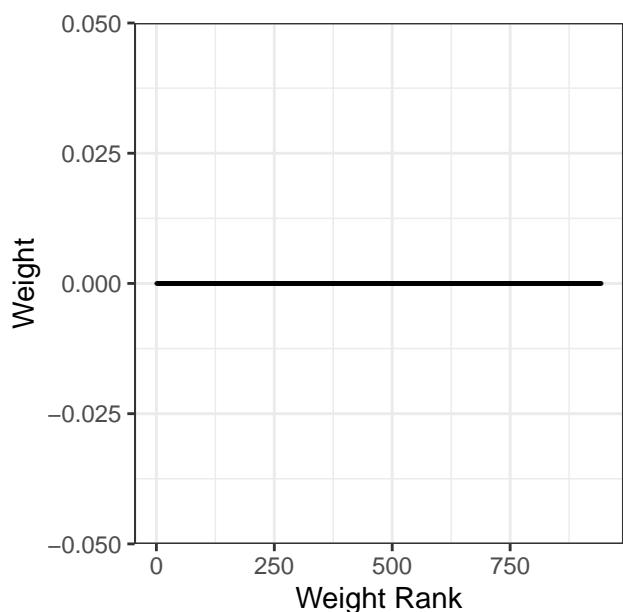


Performance: vb_percent_all_apoptosis

Transform: raw

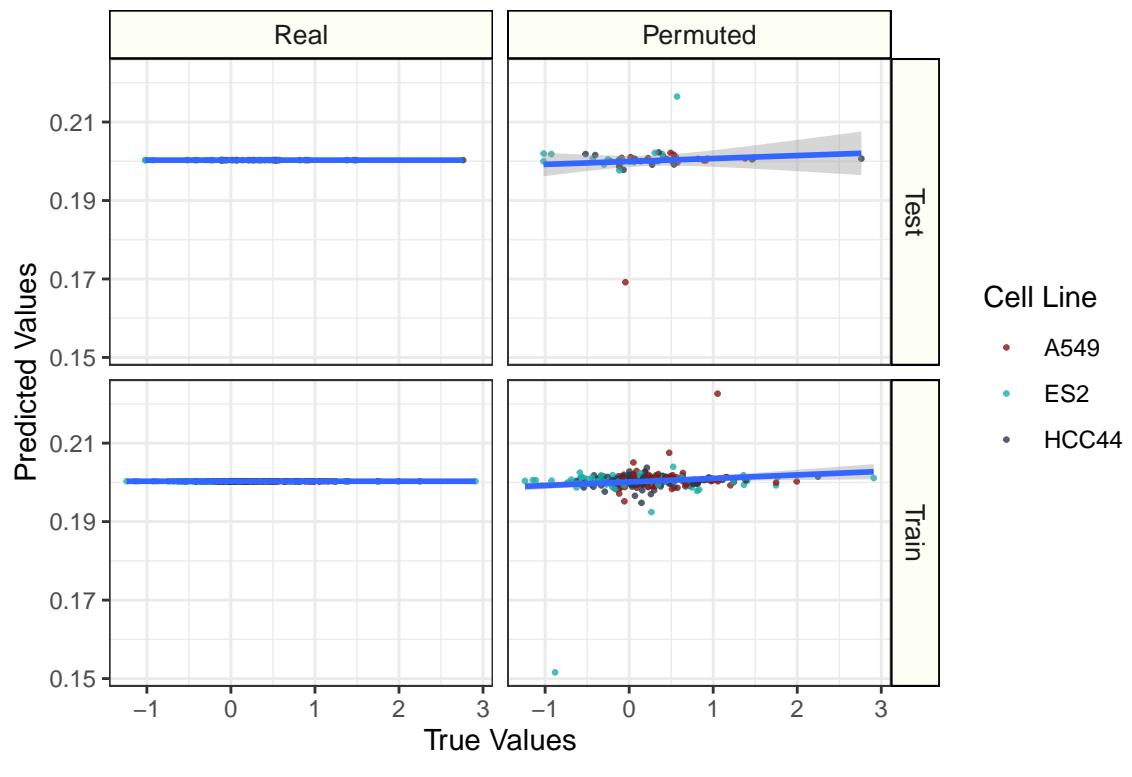


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.68
Test	Real	raw	-0.02	0.29
Train	Shuffle	raw	0.00	0.68
Test	Shuffle	raw	-0.02	0.29

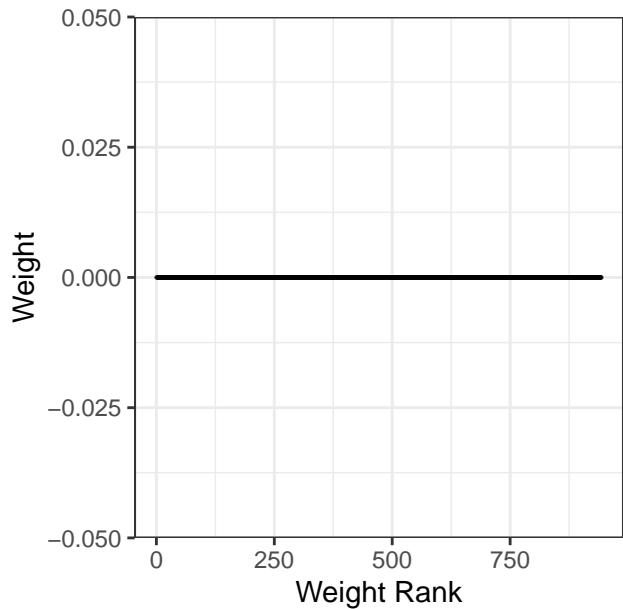


Performance: vb_percent_caspase_dead_only

Transform: raw

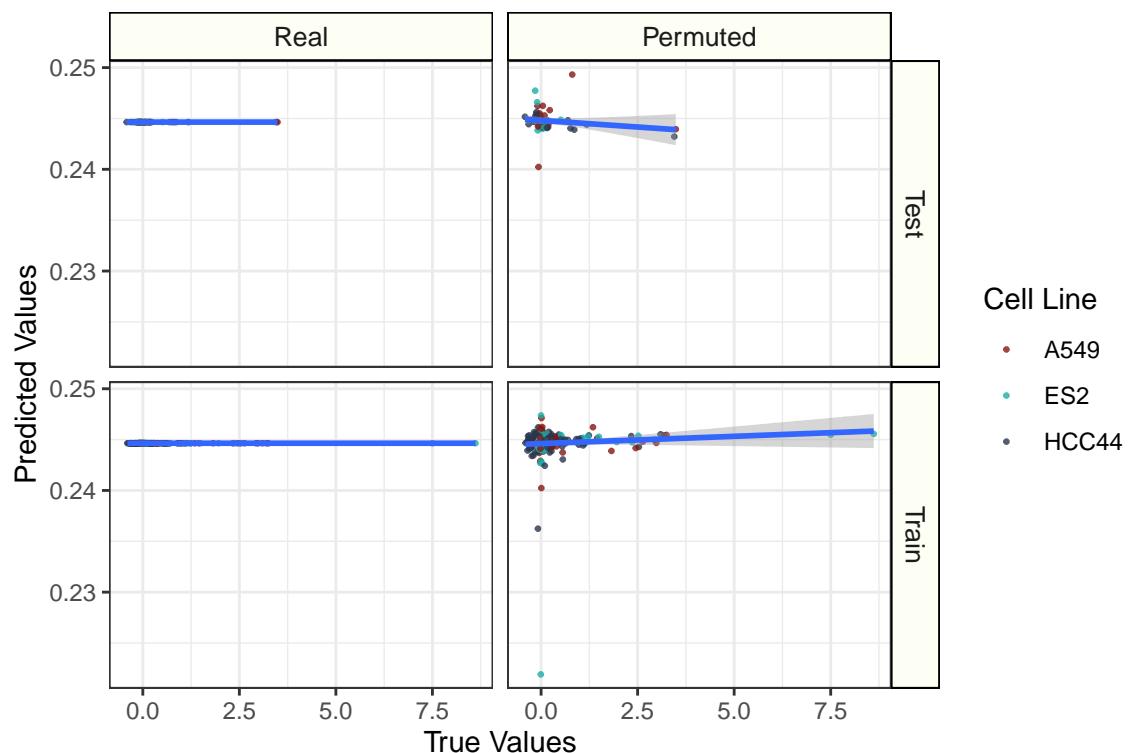


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.29
Test	Real	raw	-0.01	0.40
Train	Shuffle	raw	0.00	0.29
Test	Shuffle	raw	0.00	0.40

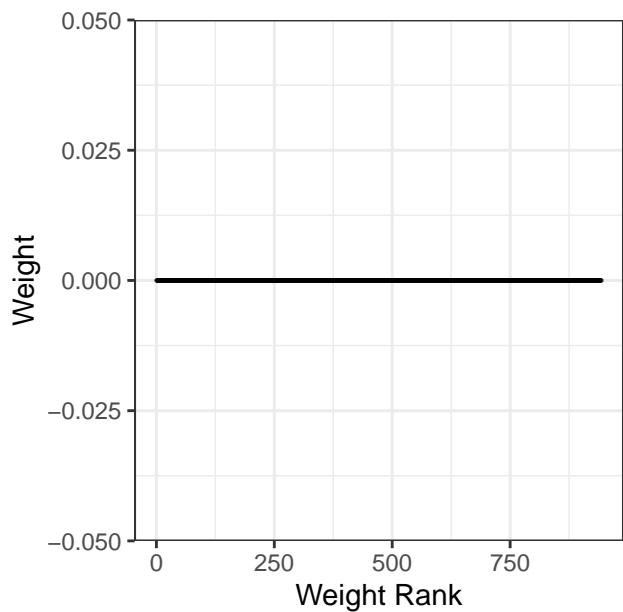


Performance: vb_percent_dead

Transform: raw

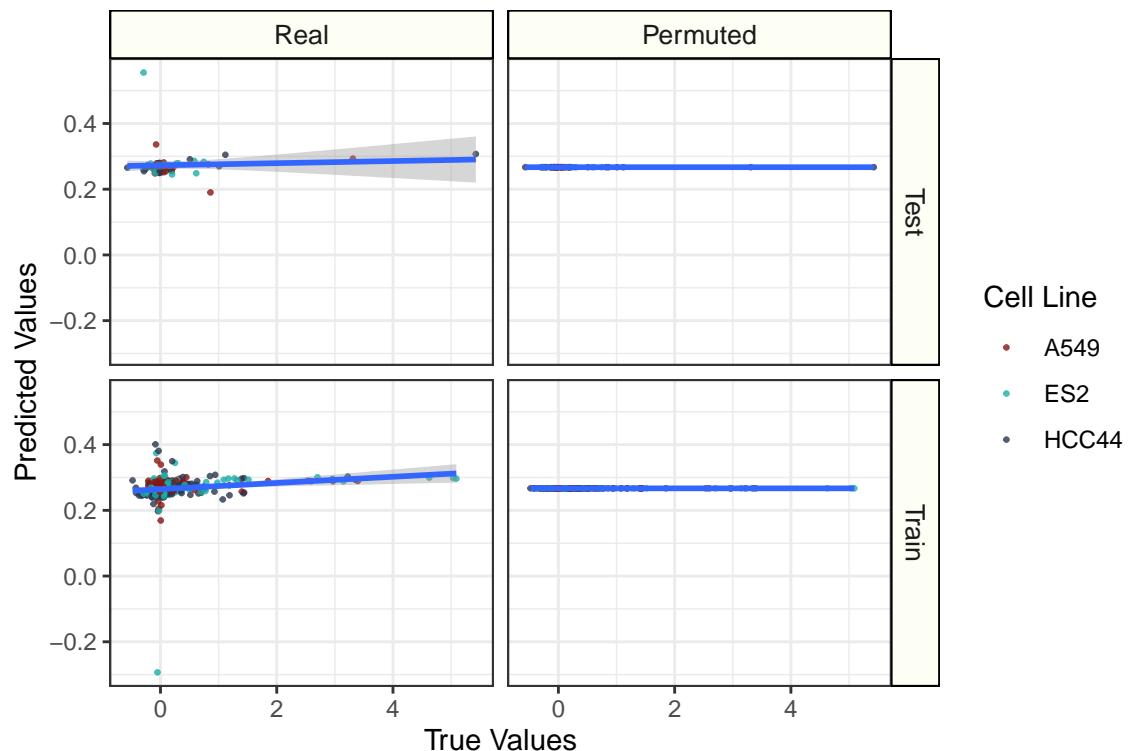


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.77
Test	Real	raw	0.00	0.50
Train	Shuffle	raw	0.00	0.77
Test	Shuffle	raw	-0.01	0.50

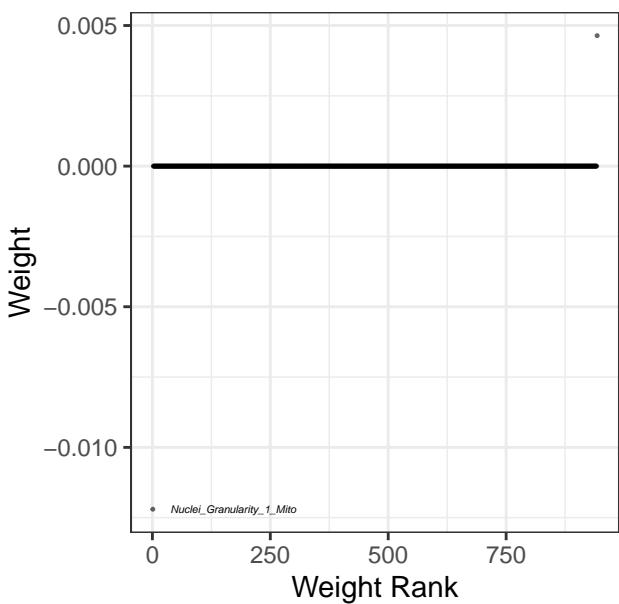


Performance: vb_percent_dead_only

Transform: raw

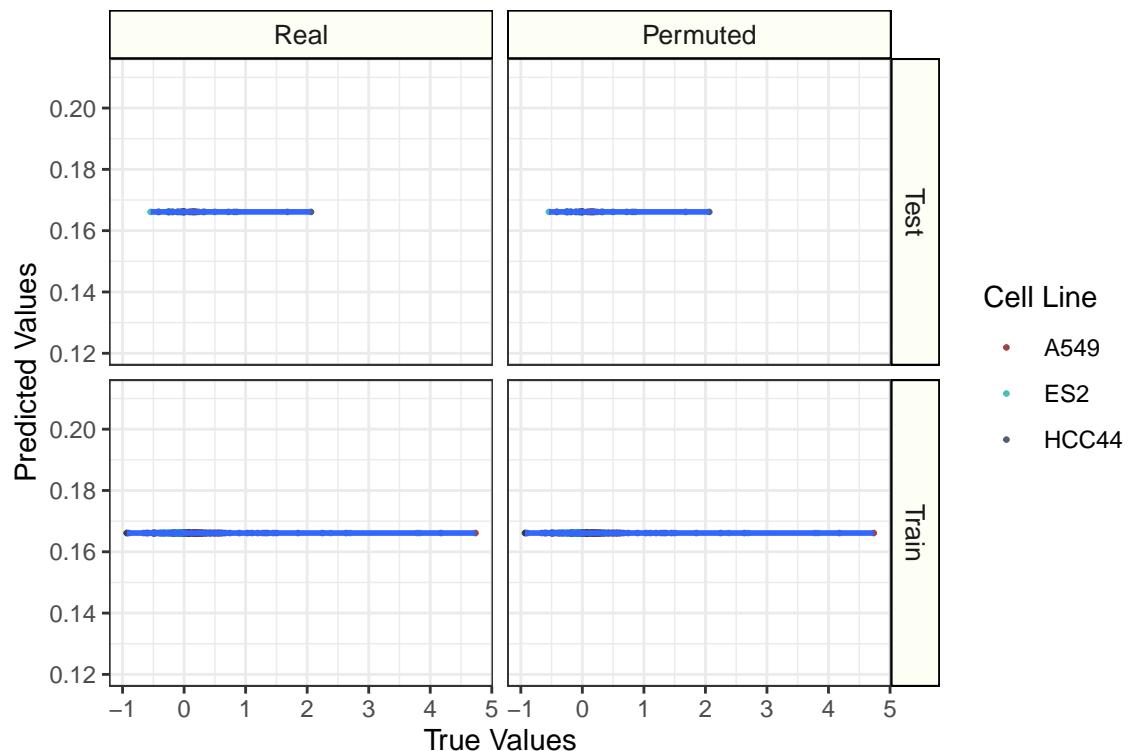


fit	shuffle	transform	r2	value
Train	Real	raw	0.02	0.60
Test	Real	raw	0.00	0.80
Train	Shuffle	raw	0.00	0.61
Test	Shuffle	raw	0.00	0.81

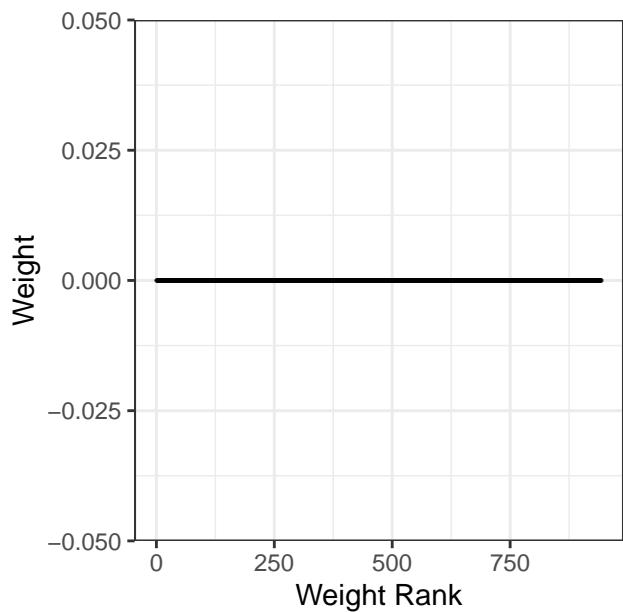


Performance: vb_percent_early_apoptosis

Transform: raw

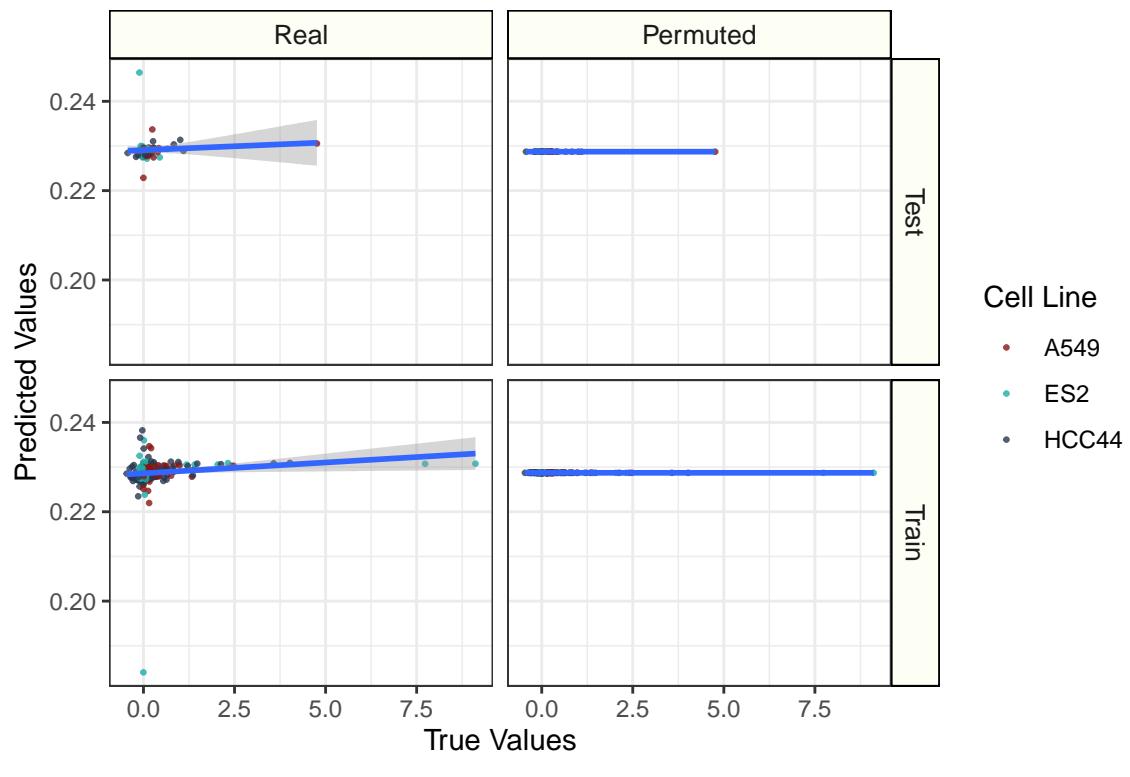


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.41
Test	Real	raw	-0.02	0.20
Train	Shuffle	raw	0.00	0.41
Test	Shuffle	raw	-0.02	0.20

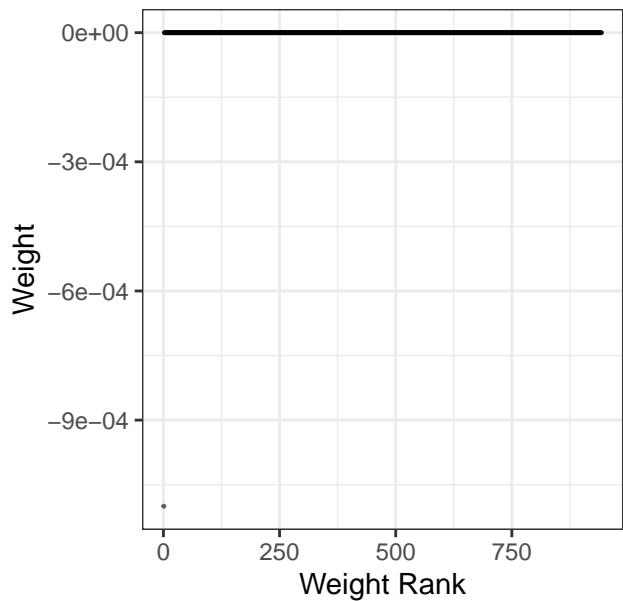


Performance: vb_percent_late_apoptosis

Transform: raw

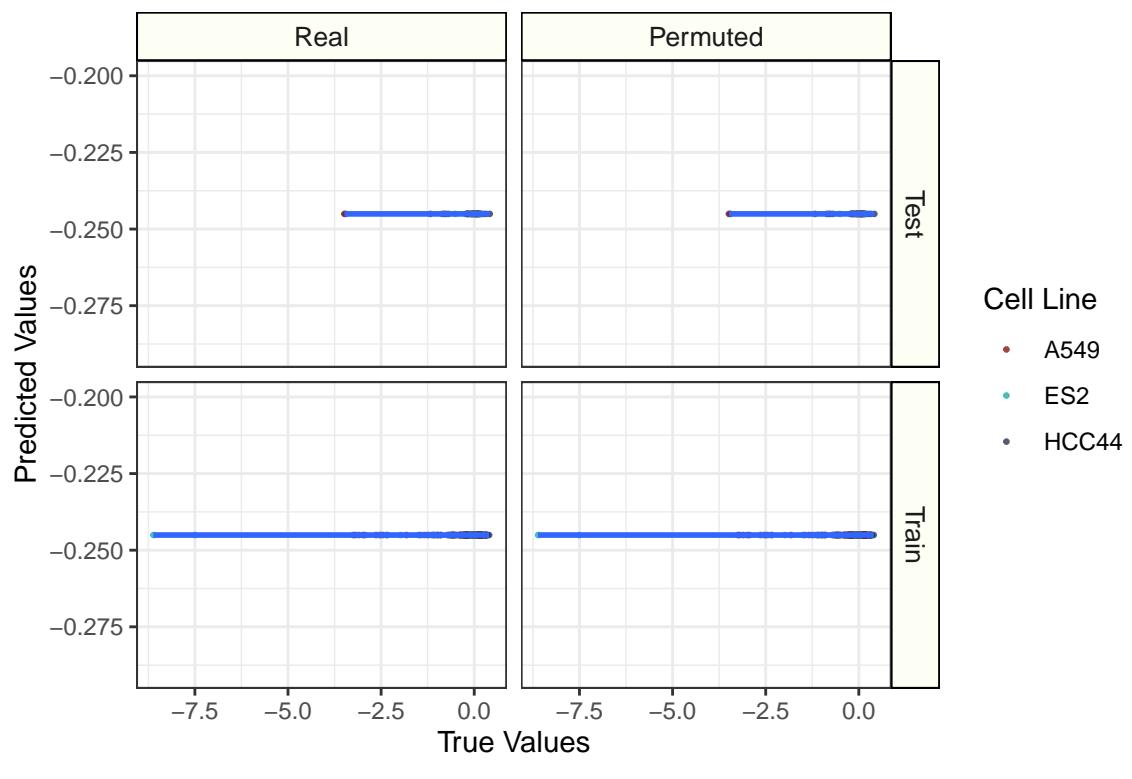


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.70
Test	Real	raw	0	0.47
Train	Shuffle	raw	0	0.70
Test	Shuffle	raw	0	0.47

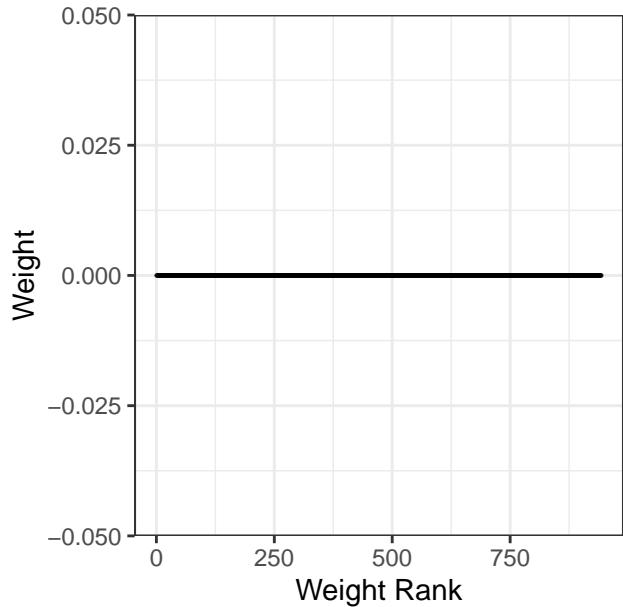


Performance: vb_percent_live

Transform: raw

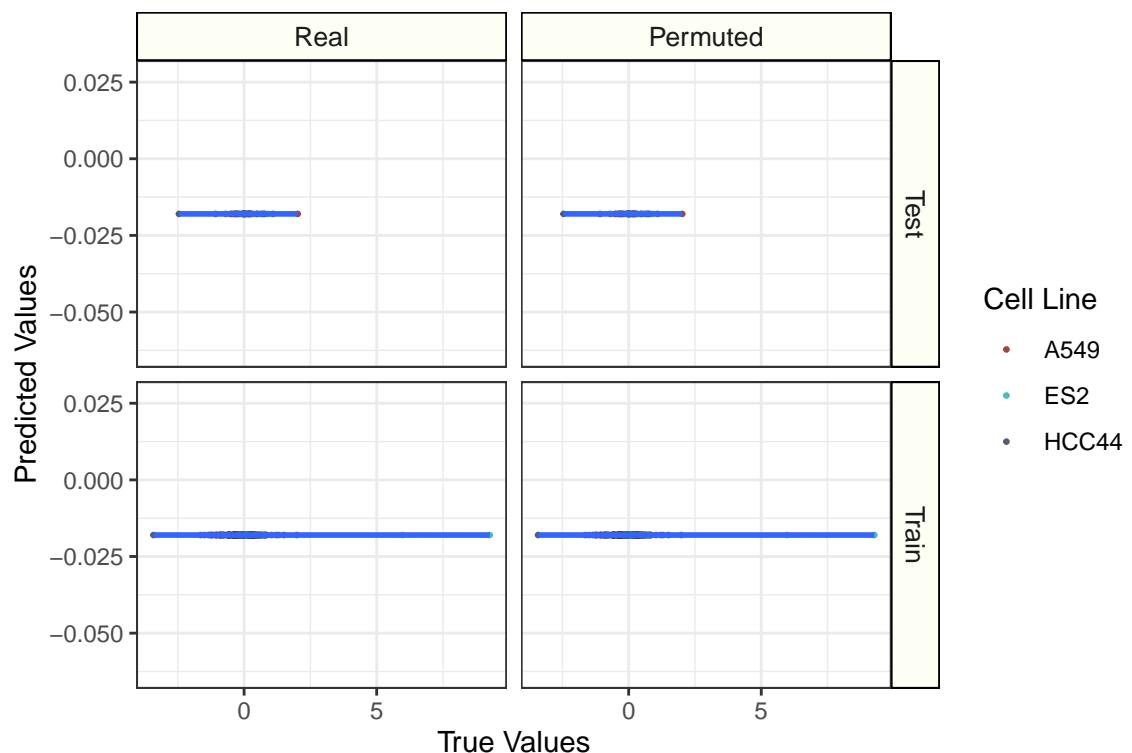


fit	shuffle	transform	r2	value
Train	Real	raw	0	0.77
Test	Real	raw	0	0.50
Train	Shuffle	raw	0	0.77
Test	Shuffle	raw	0	0.50

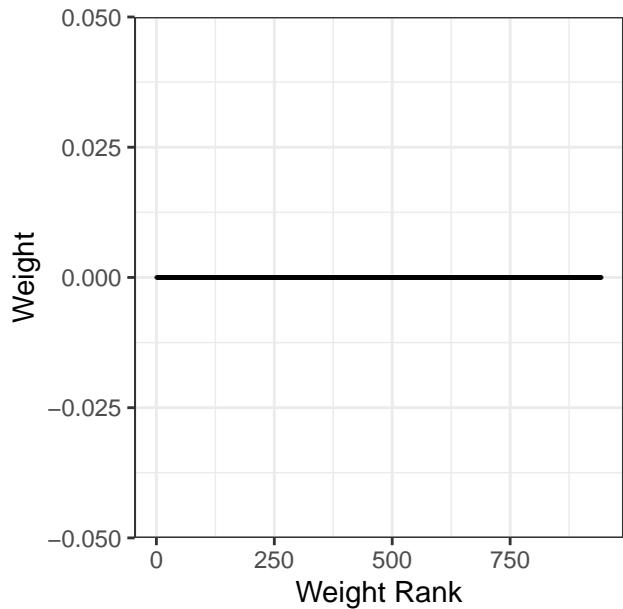


Performance: vb_ros_back_mean

Transform: raw

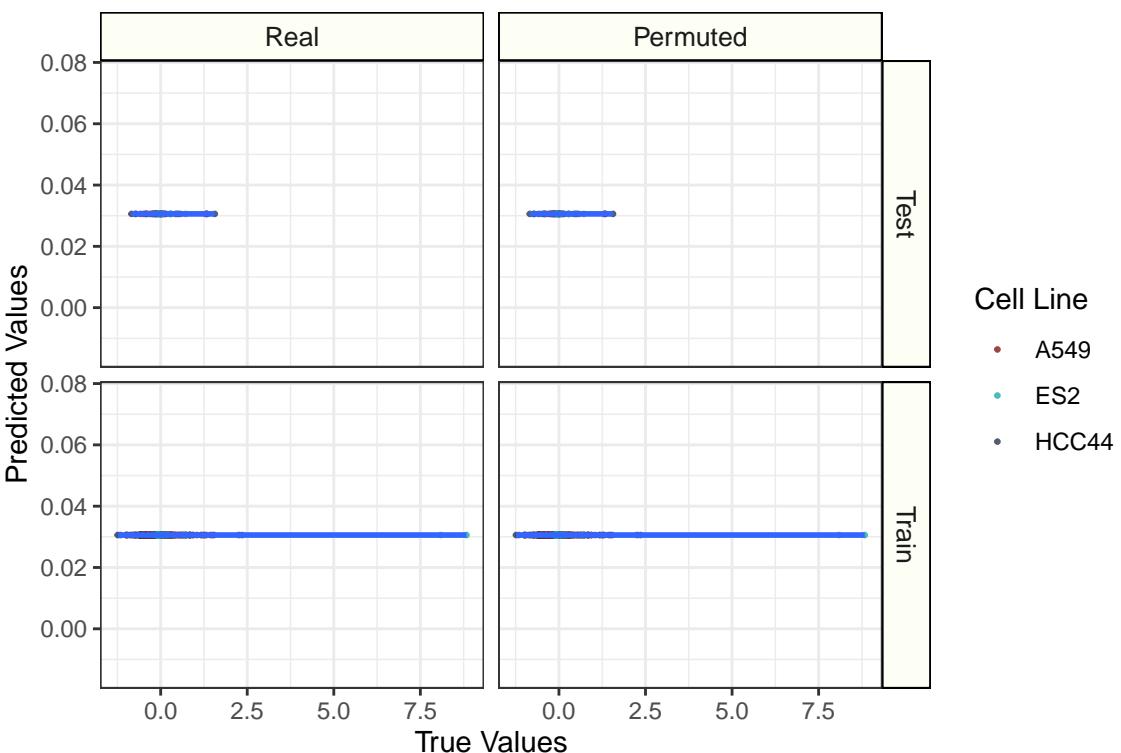


fit	shuffle	transform	r2	value
Train	Real	raw	0.00	0.66
Test	Real	raw	-0.02	0.35
Train	Shuffle	raw	0.00	0.66
Test	Shuffle	raw	-0.02	0.35



Performance: vb_ros_mean

Transform: raw



fit	shuffle	transform	r2	value
Train	Real	raw	0	0.70
Test	Real	raw	0	0.24
Train	Shuffle	raw	0	0.70
Test	Shuffle	raw	0	0.24

