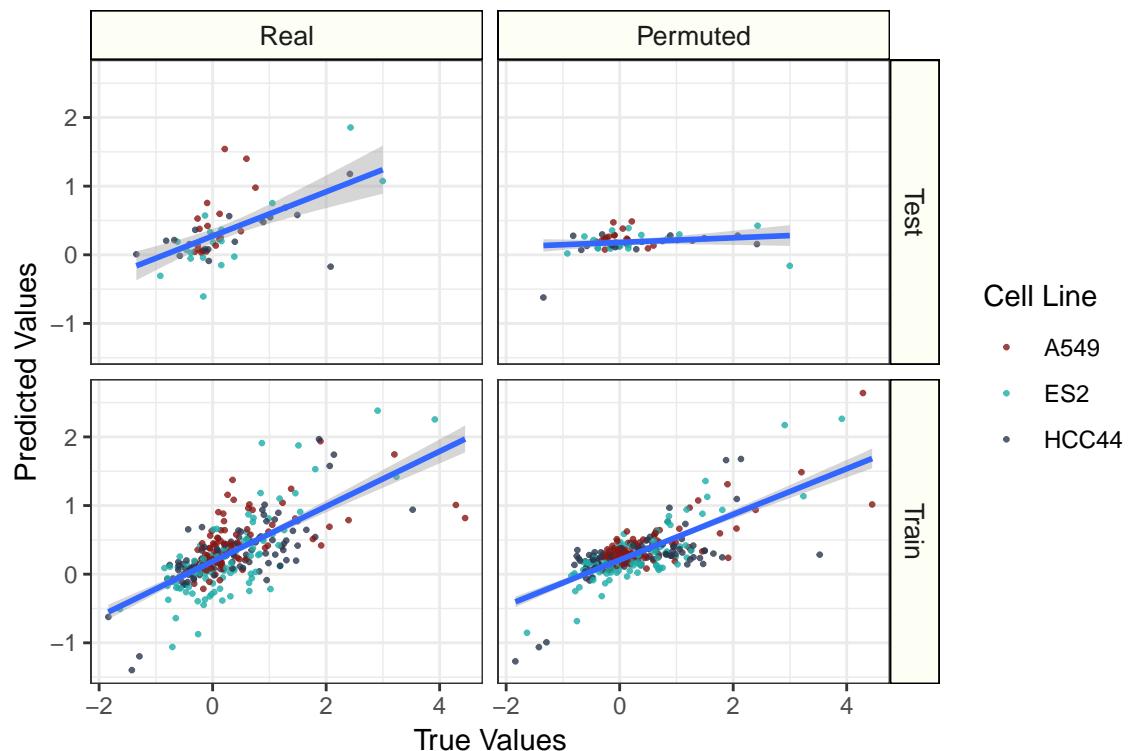
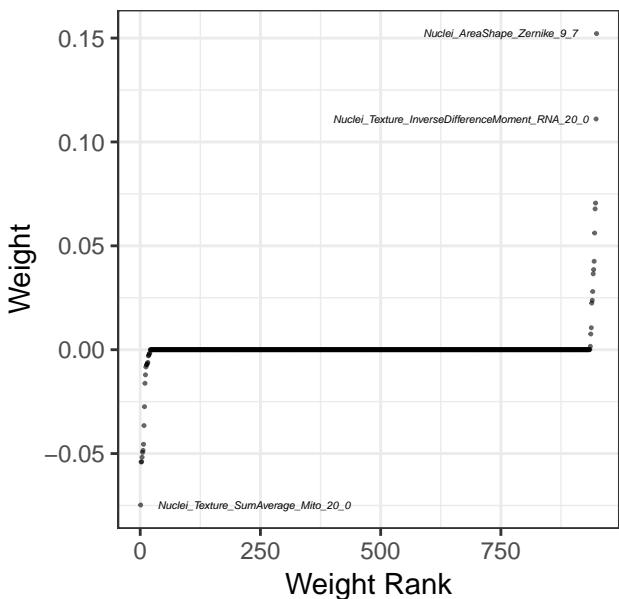


# Performance: cc\_all\_high\_h2ax

Transform: raw

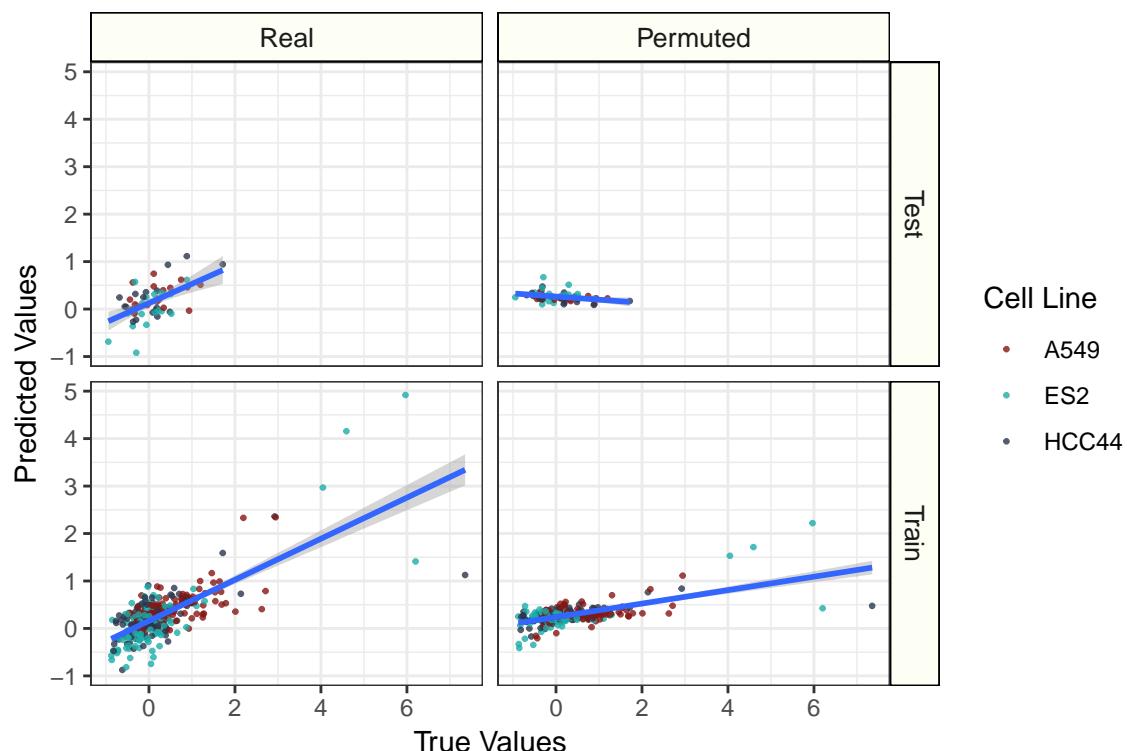


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.47 | 0.37  |
| Test  | Real    | raw       | 0.33 | 0.47  |
| Train | Shuffle | raw       | 0.47 | 0.38  |
| Test  | Shuffle | raw       | 0.03 | 0.68  |

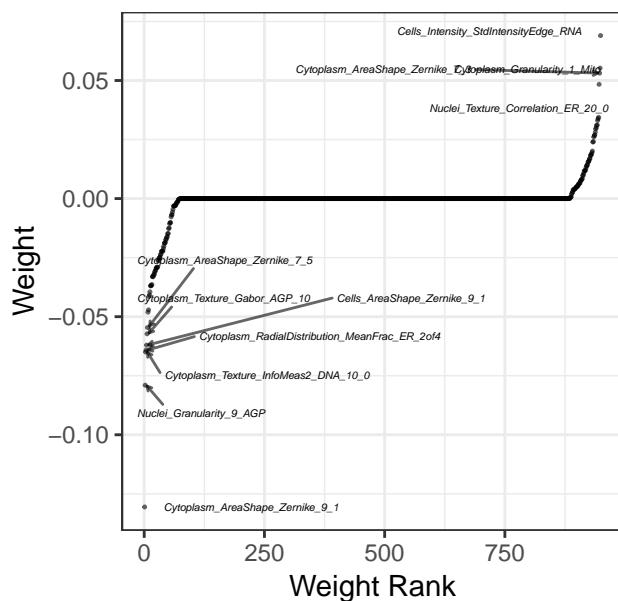


# Performance: cc\_all\_large\_notround\_polinuclear\_mean

## Transform: raw

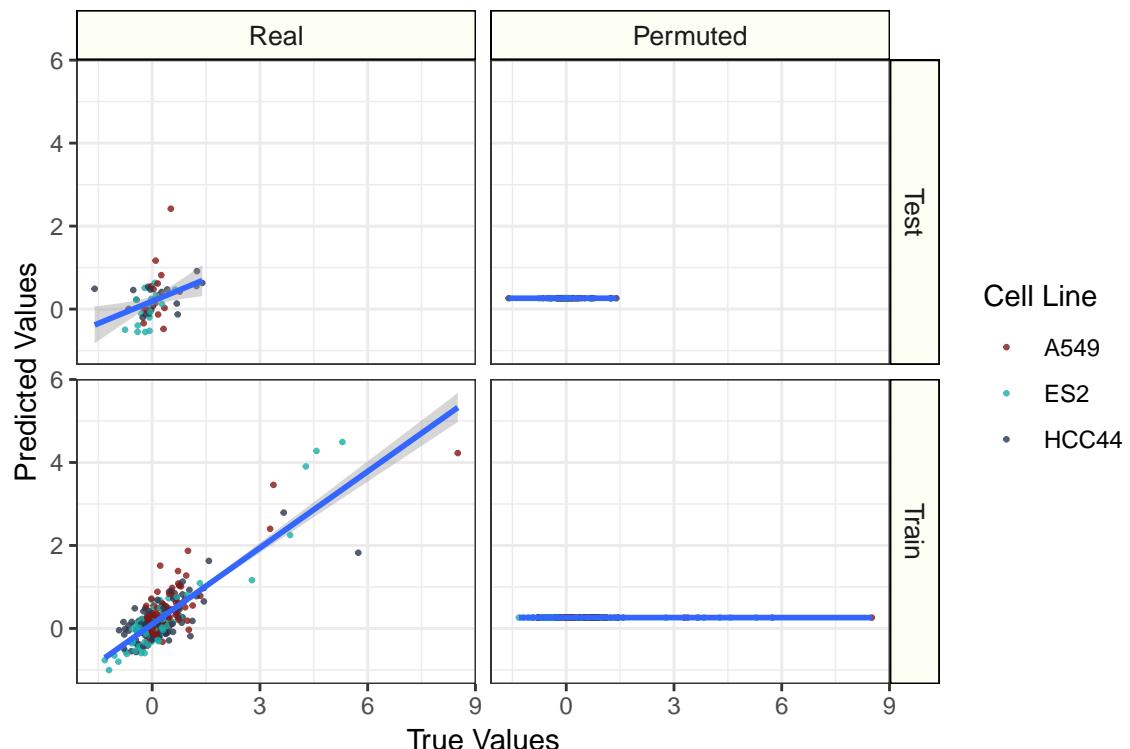


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.52  | 0.45  |
| Test  | Real    | raw       | 0.24  | 0.19  |
| Train | Shuffle | raw       | 0.23  | 0.71  |
| Test  | Shuffle | raw       | -0.29 | 0.32  |

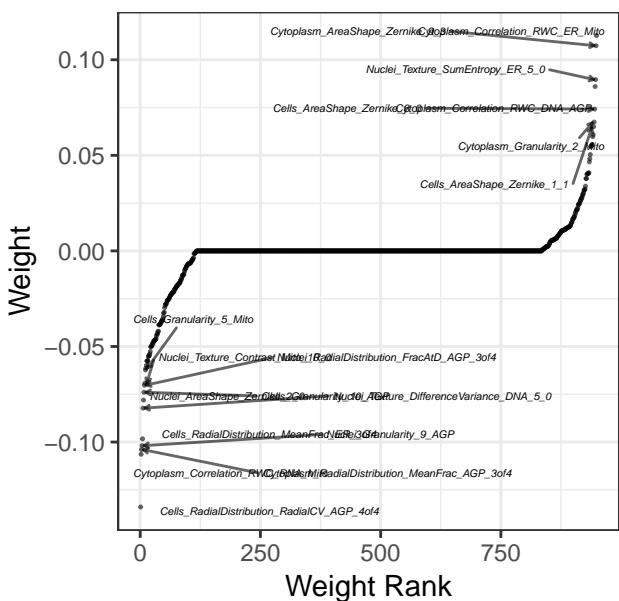


# Performance: cc\_all\_large\_round\_polyplloid\_mean

Transform: raw

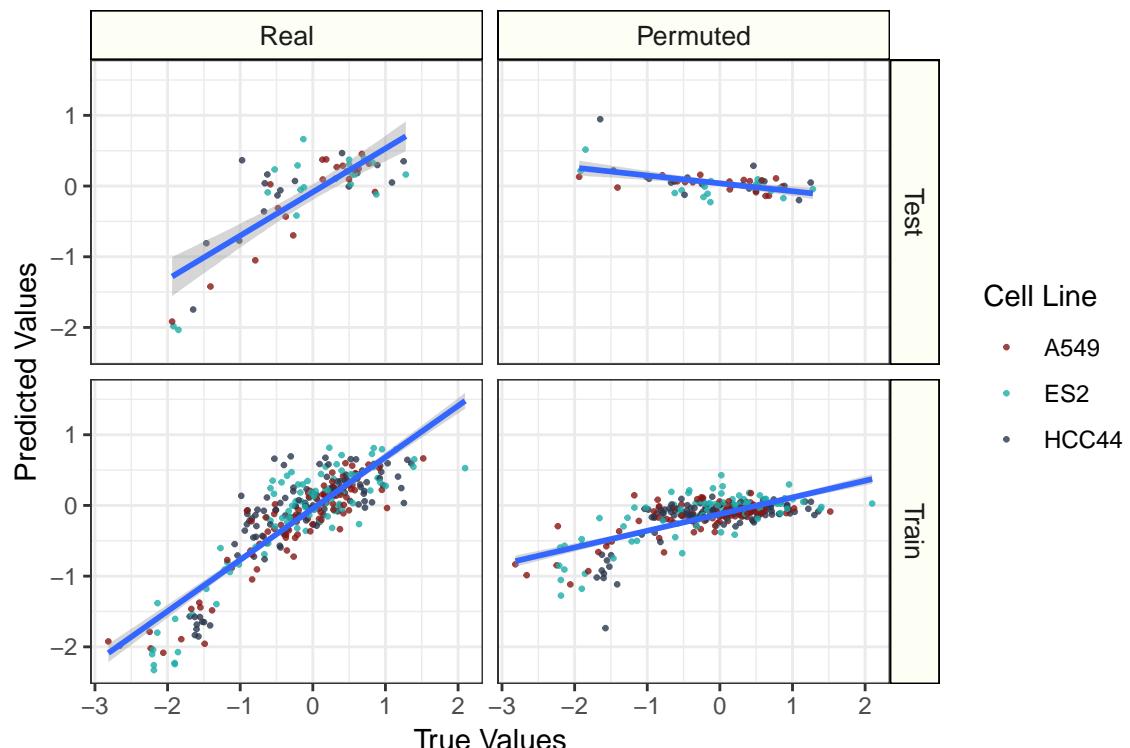


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.71  | 0.26  |
| Test  | Real    | raw       | -0.39 | 0.33  |
| Train | Shuffle | raw       | 0.00  | 0.91  |
| Test  | Shuffle | raw       | -0.20 | 0.29  |

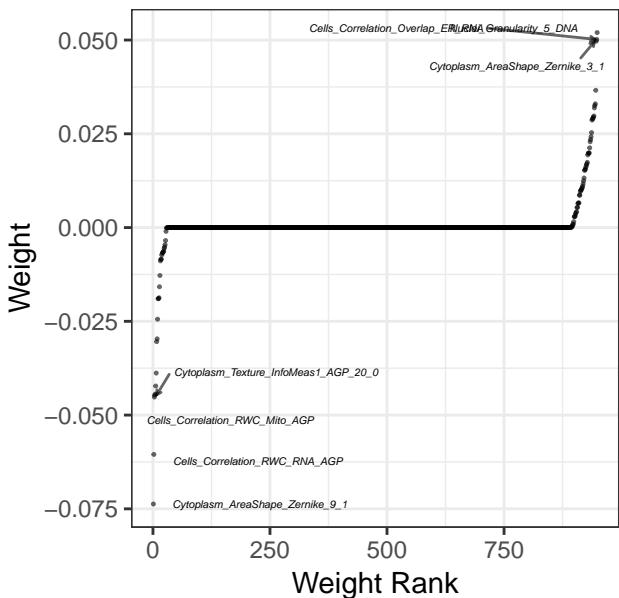


# Performance: cc\_all\_n\_objects

Transform: raw

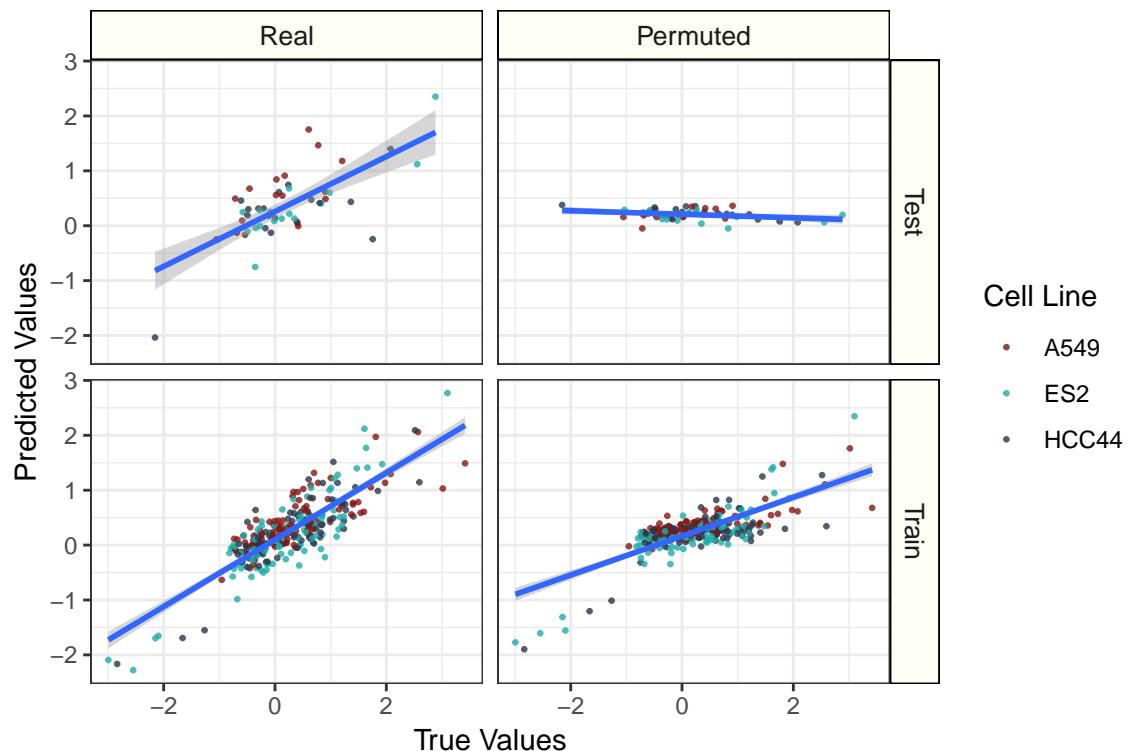


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.76  | 0.16  |
| Test  | Real    | raw       | 0.61  | 0.26  |
| Train | Shuffle | raw       | 0.35  | 0.44  |
| Test  | Shuffle | raw       | -0.28 | 0.86  |

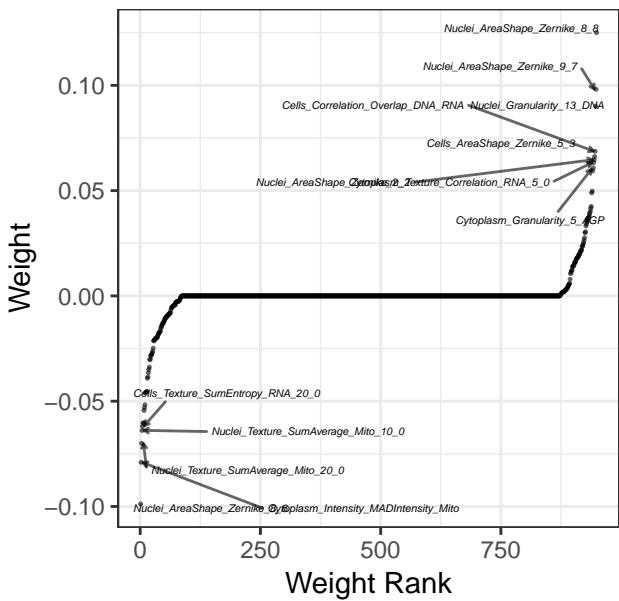


# Performance: cc\_all\_n\_spots\_h2ax\_mean

Transform: raw

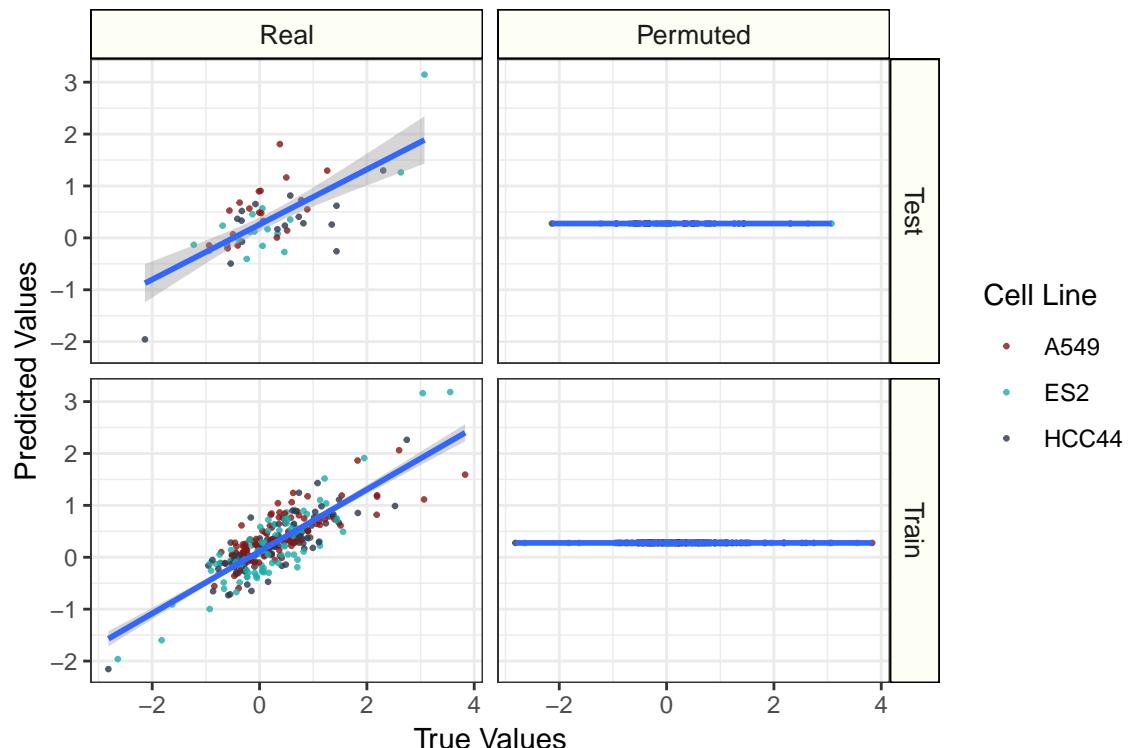


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.69  | 0.21  |
| Test  | Real    | raw       | 0.45  | 0.43  |
| Train | Shuffle | raw       | 0.48  | 0.35  |
| Test  | Shuffle | raw       | -0.08 | 0.85  |

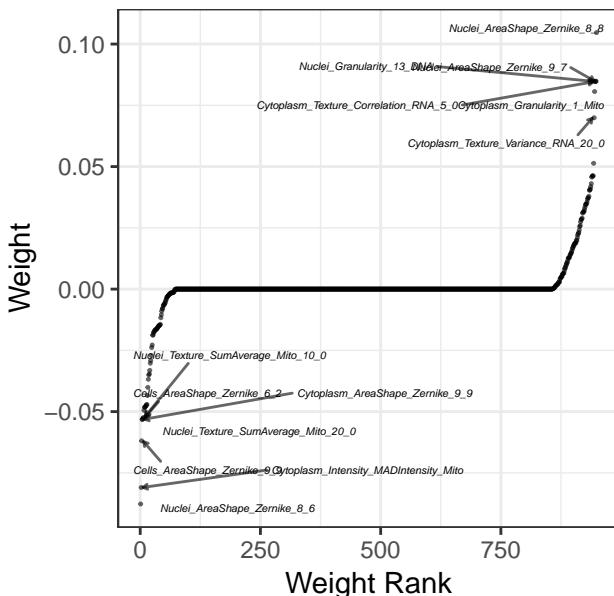


# Performance: cc\_all\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

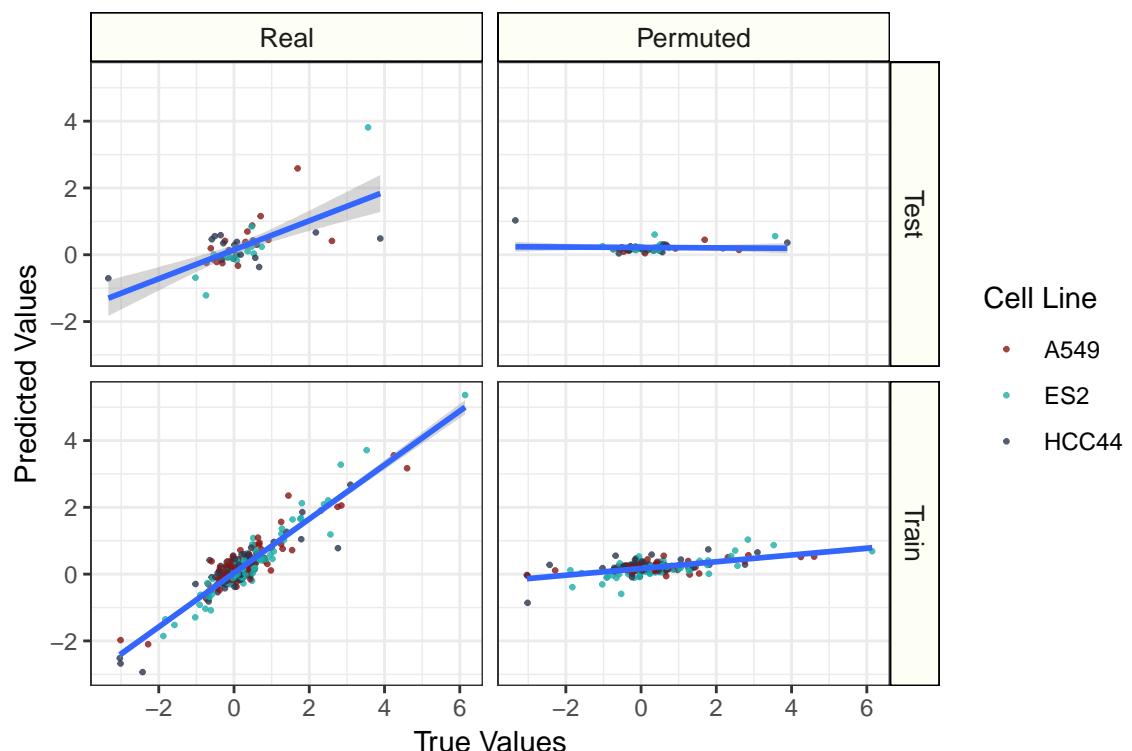


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.68  | 0.20  |
| Test  | Real    | raw       | 0.45  | 0.45  |
| Train | Shuffle | raw       | 0.00  | 0.63  |
| Test  | Shuffle | raw       | -0.02 | 0.83  |

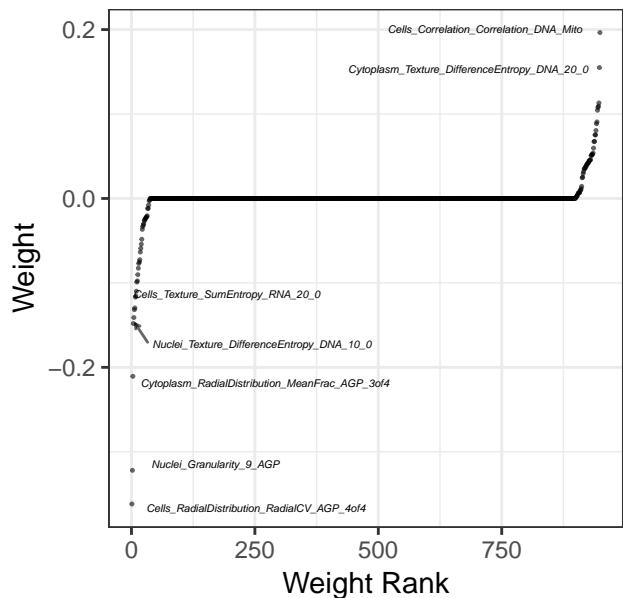


# Performance: cc\_all\_nucleus\_area\_mean

Transform: raw

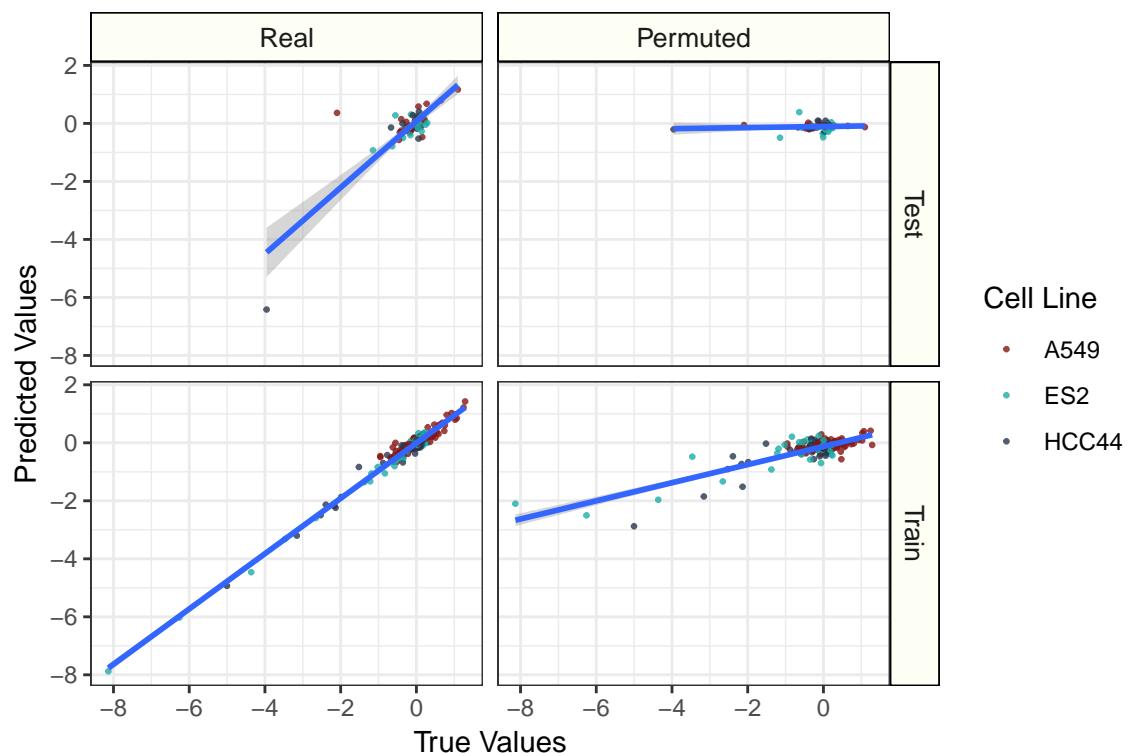


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.86  | 0.12  |
| Test  | Real    | raw       | 0.41  | 0.67  |
| Train | Shuffle | raw       | 0.17  | 0.74  |
| Test  | Shuffle | raw       | -0.03 | 1.17  |

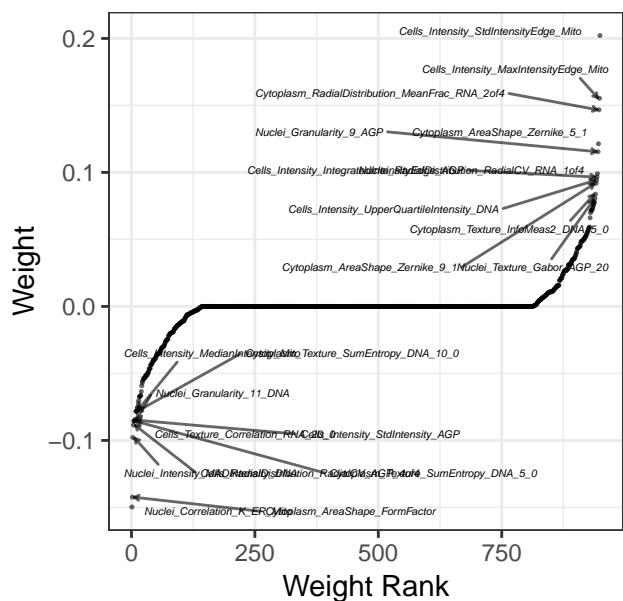


# Performance: cc\_all\_nucleus\_roundness\_mean

## Transform: raw

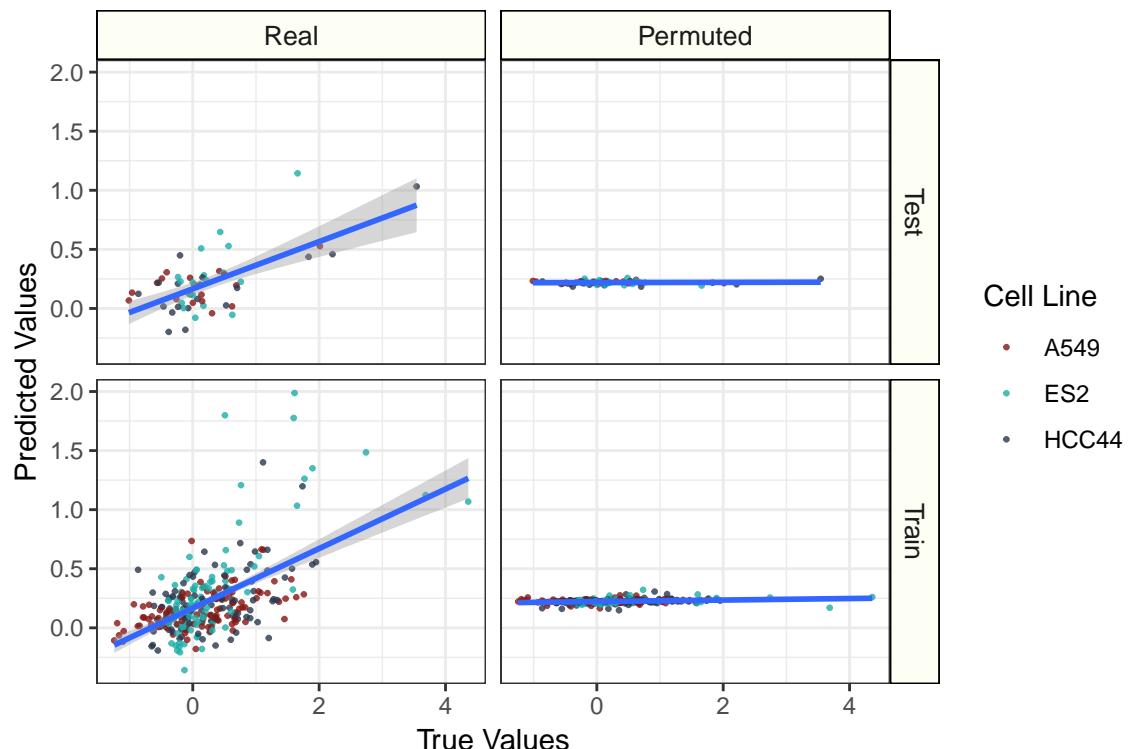


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.97  | 0.02  |
| Test  | Real    | raw       | 0.34  | 0.30  |
| Train | Shuffle | raw       | 0.48  | 0.40  |
| Test  | Shuffle | raw       | -0.01 | 0.46  |

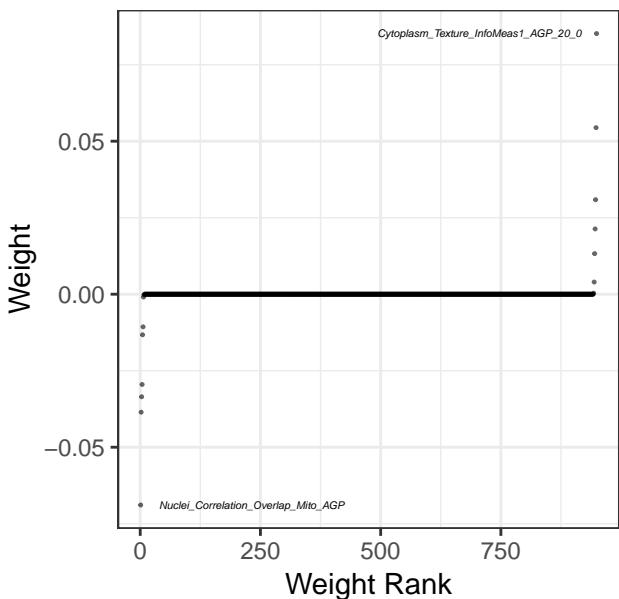


# Performance: cc\_cc\_early\_mitosis

Transform: raw

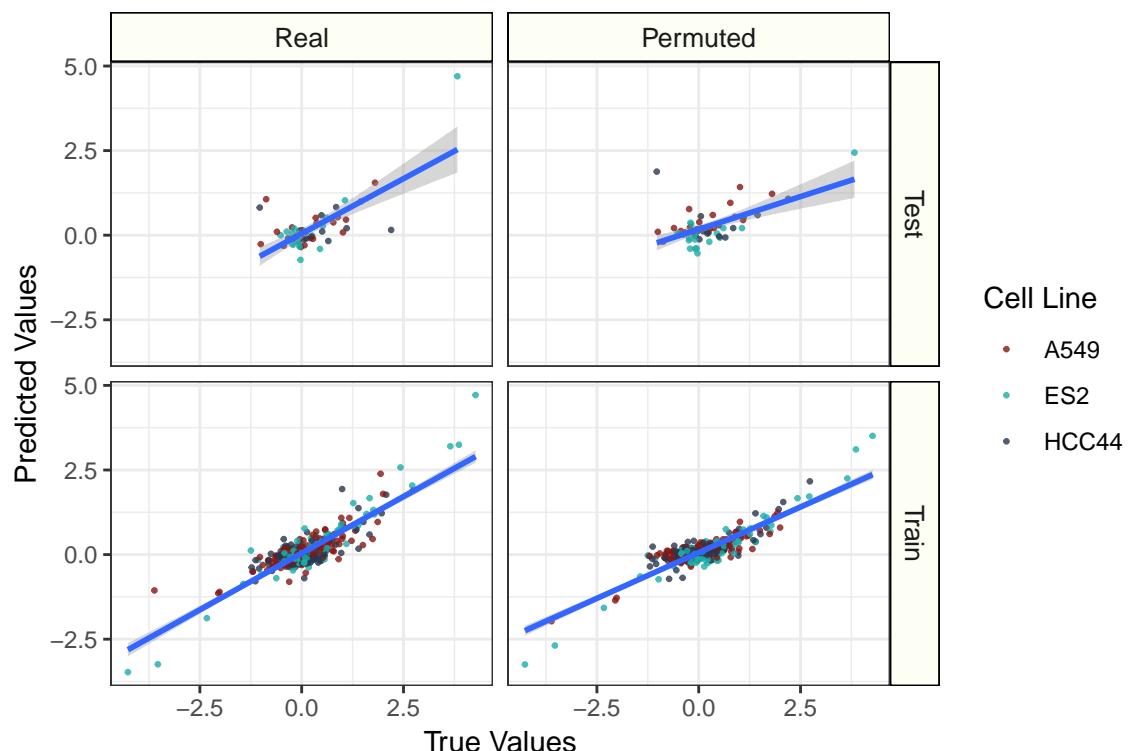


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.31 | 0.34  |
| Test  | Real    | raw       | 0.30 | 0.44  |
| Train | Shuffle | raw       | 0.01 | 0.49  |
| Test  | Shuffle | raw       | 0.00 | 0.63  |

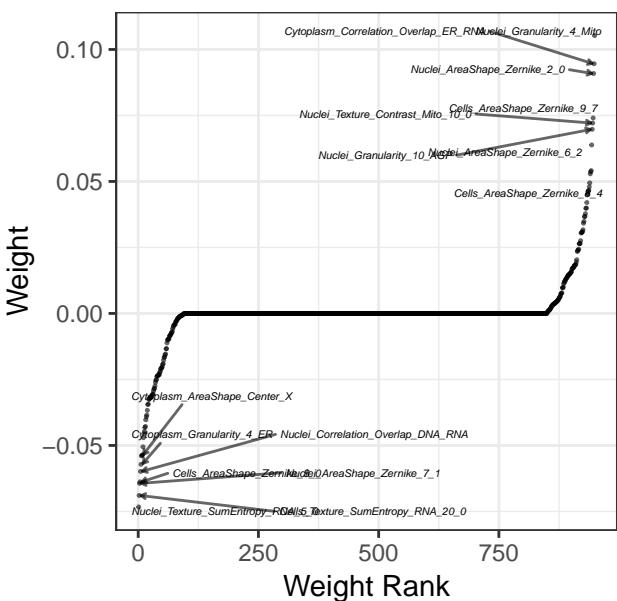


# Performance: cc\_cc\_g1

Transform: raw

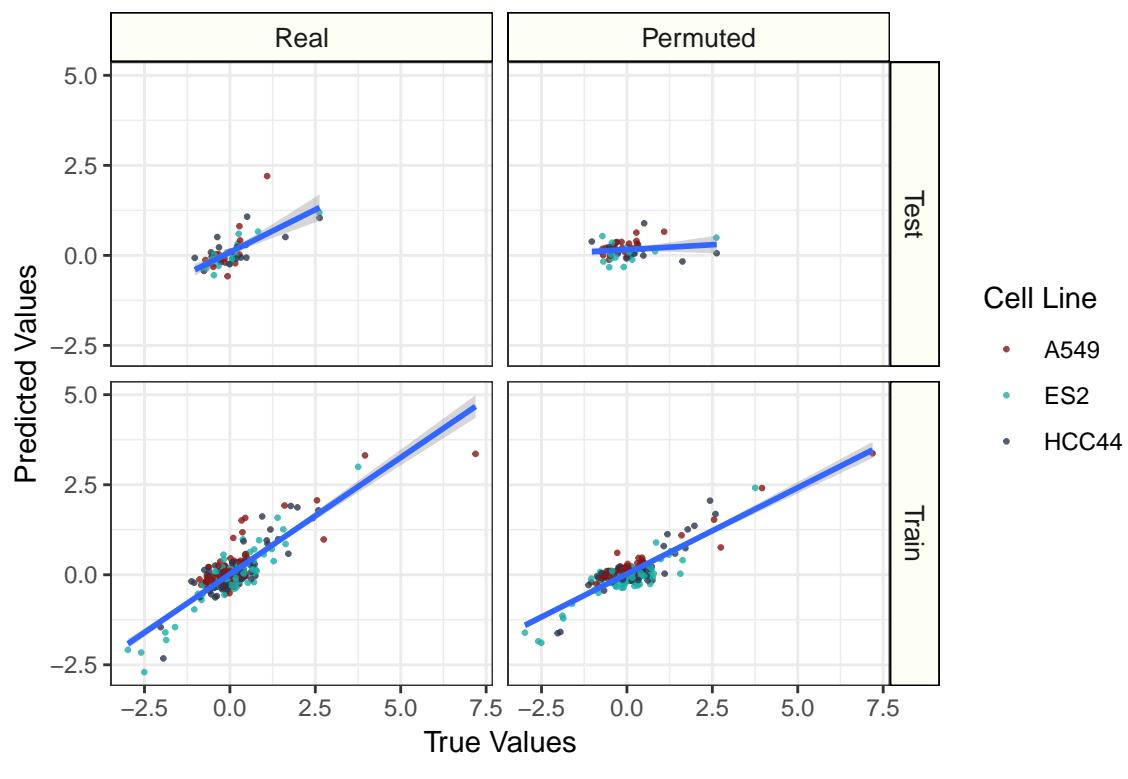


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.74 | 0.21  |
| Test  | Real    | raw       | 0.43 | 0.37  |
| Train | Shuffle | raw       | 0.70 | 0.24  |
| Test  | Shuffle | raw       | 0.33 | 0.43  |

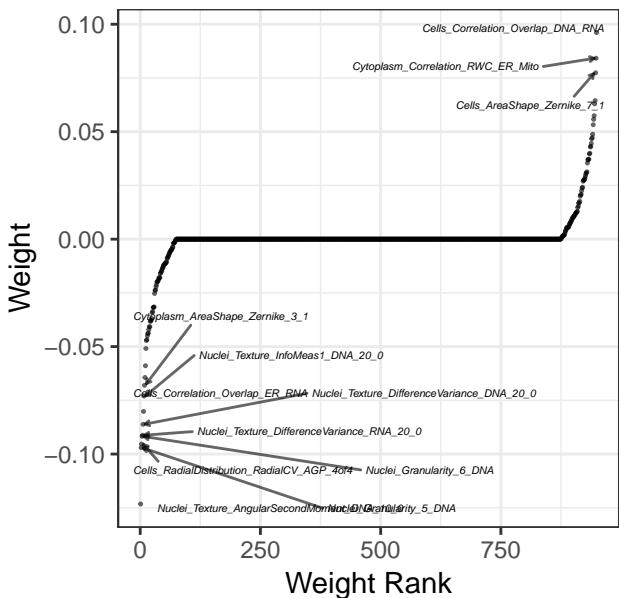


# Performance: cc\_cc\_g2

Transform: raw

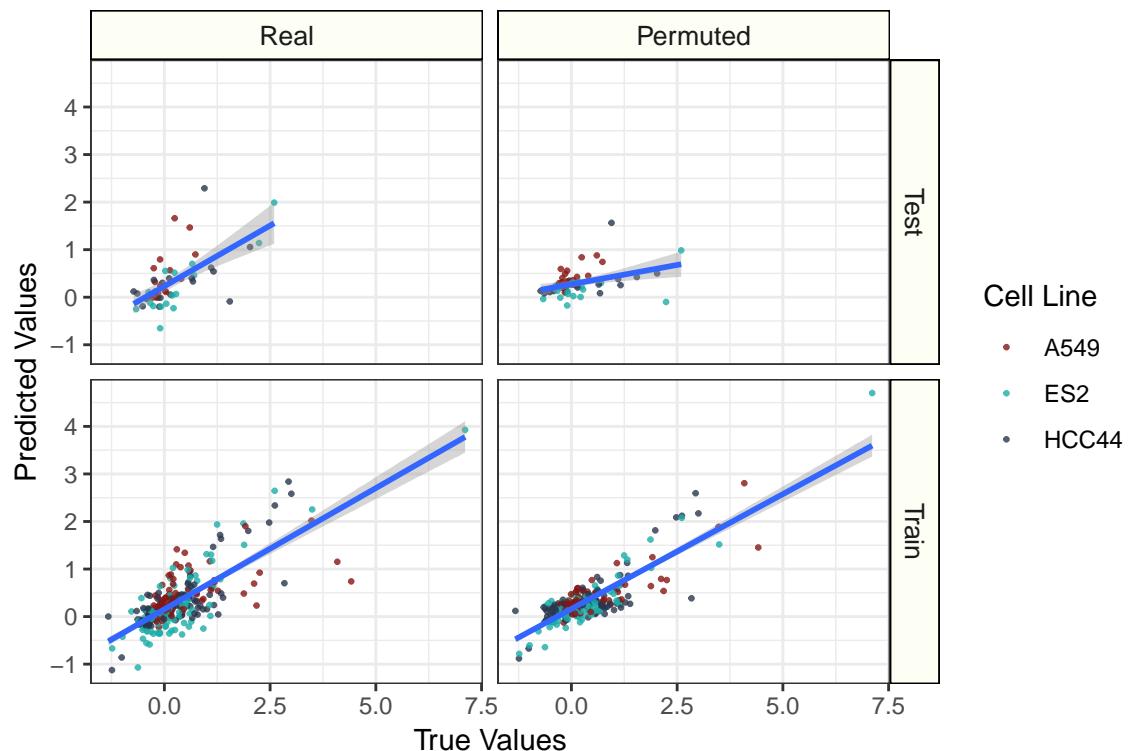


| fit   | shuffle | transform | r <sup>2</sup> | value |
|-------|---------|-----------|----------------|-------|
| Train | Real    | raw       | 0.73           | 0.20  |
| Test  | Real    | raw       | 0.47           | 0.26  |
| Train | Shuffle | raw       | 0.65           | 0.25  |
| Test  | Shuffle | raw       | -0.05          | 0.52  |

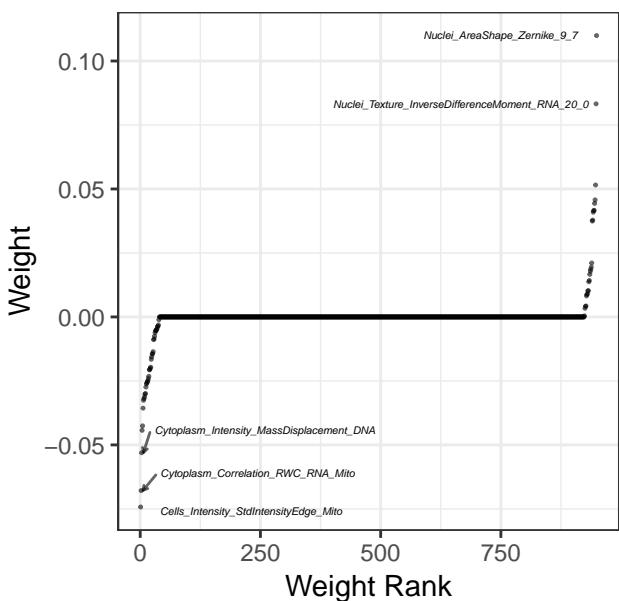


# Performance: cc\_cc\_high\_h2ax

Transform: raw

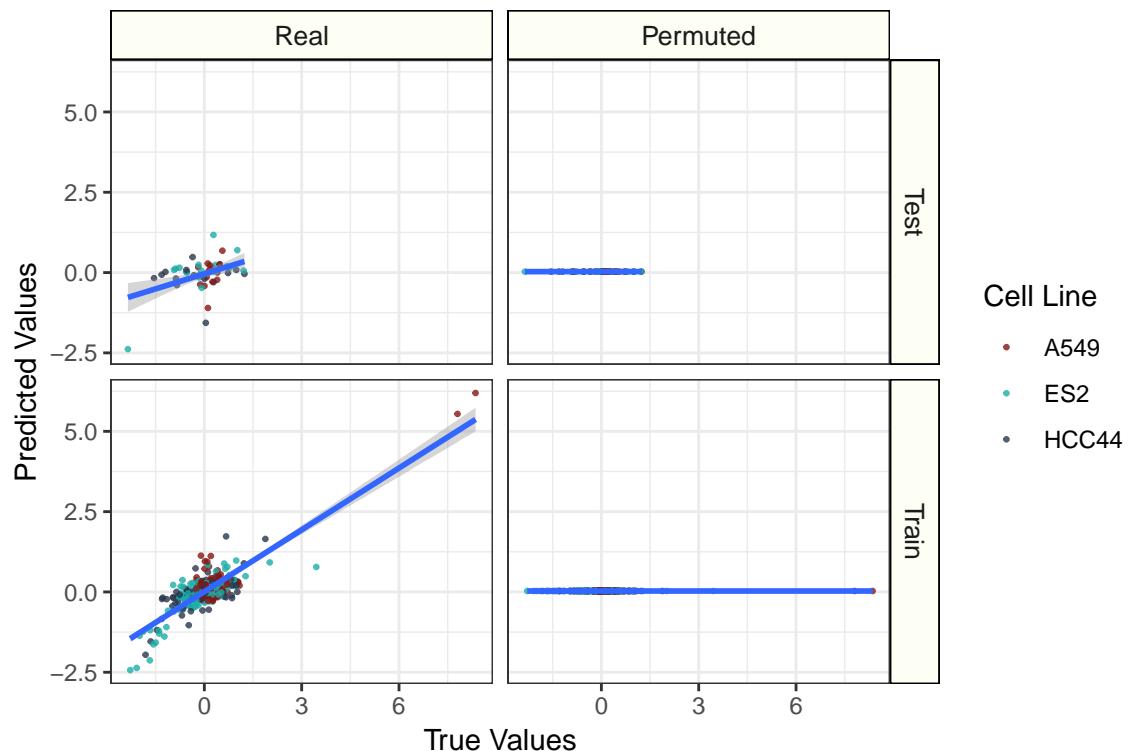


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.58 | 0.33  |
| Test  | Real    | raw       | 0.33 | 0.32  |
| Train | Shuffle | raw       | 0.64 | 0.28  |
| Test  | Shuffle | raw       | 0.13 | 0.41  |

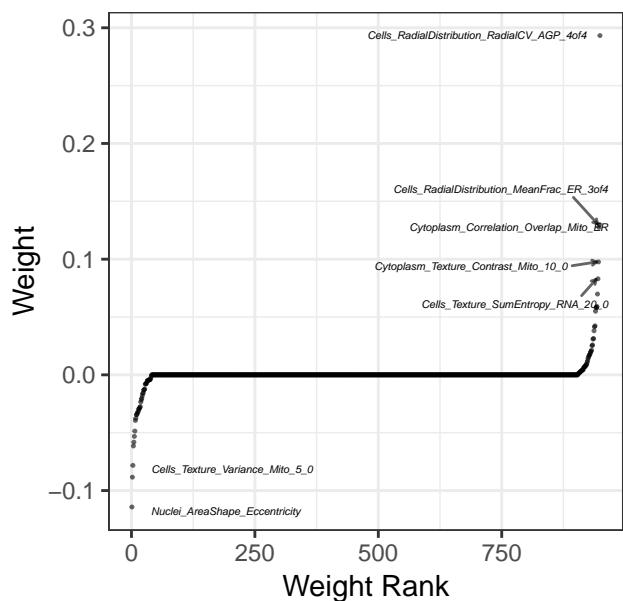


# Performance: cc\_cc\_late\_mitosis

Transform: raw

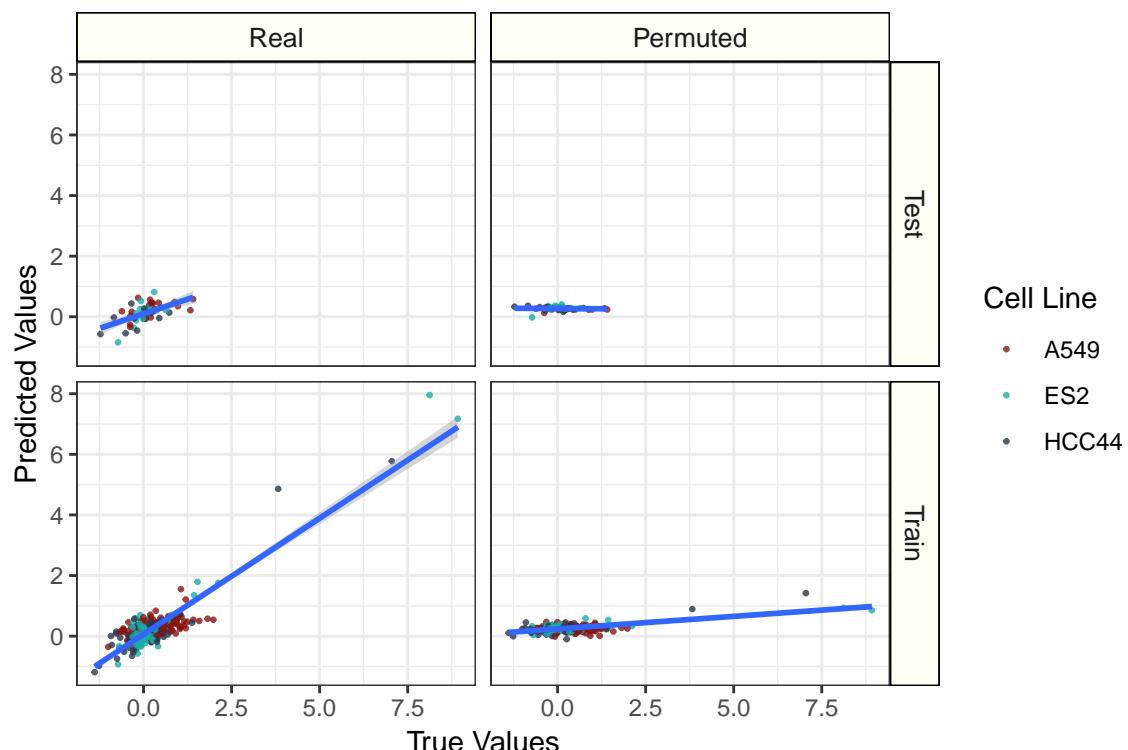


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.72  | 0.24  |
| Test  | Real    | raw       | 0.09  | 0.43  |
| Train | Shuffle | raw       | 0.00  | 0.86  |
| Test  | Shuffle | raw       | -0.01 | 0.47  |

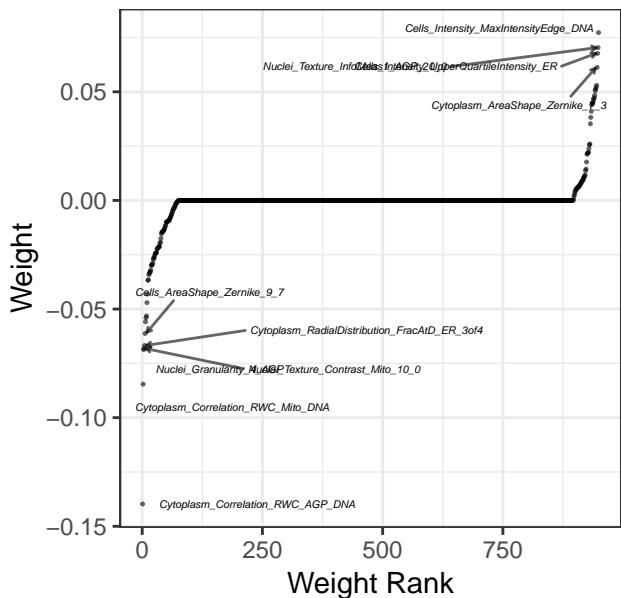


# Performance: cc\_cc\_mitosis

Transform: raw

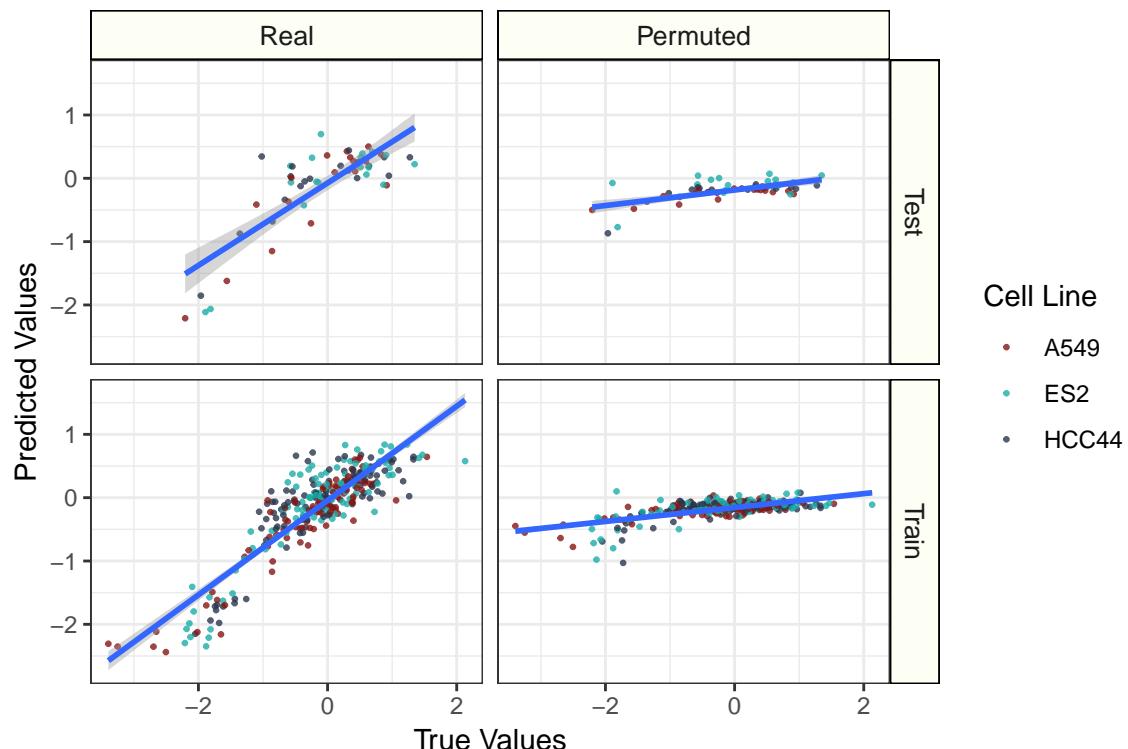


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.82  | 0.17  |
| Test  | Real    | raw       | 0.31  | 0.15  |
| Train | Shuffle | raw       | 0.15  | 0.78  |
| Test  | Shuffle | raw       | -0.21 | 0.27  |

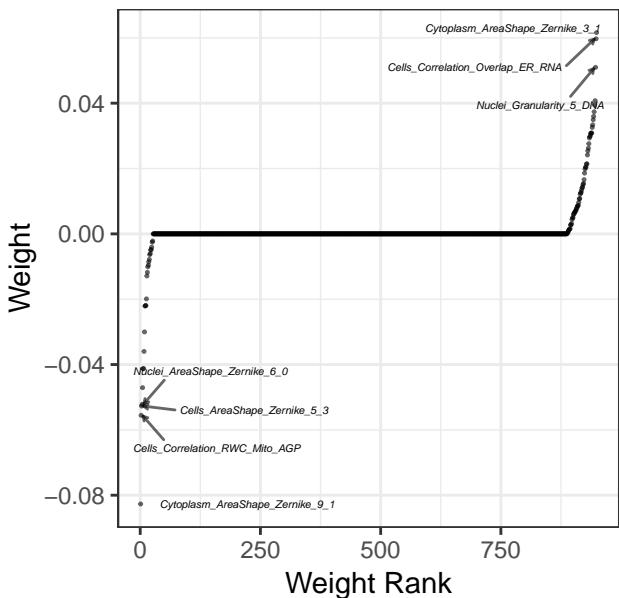


# Performance: cc\_cc\_n\_objects

Transform: raw

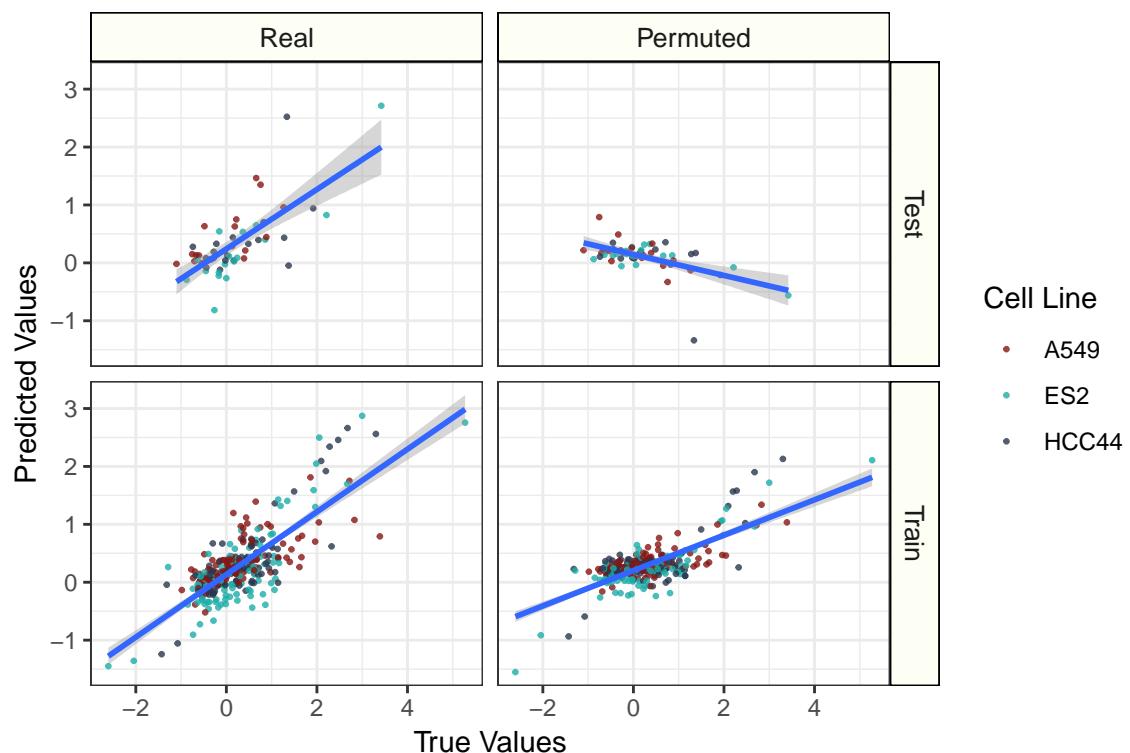


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.78 | 0.16  |
| Test  | Real    | raw       | 0.64 | 0.26  |
| Train | Shuffle | raw       | 0.19 | 0.60  |
| Test  | Shuffle | raw       | 0.19 | 0.59  |

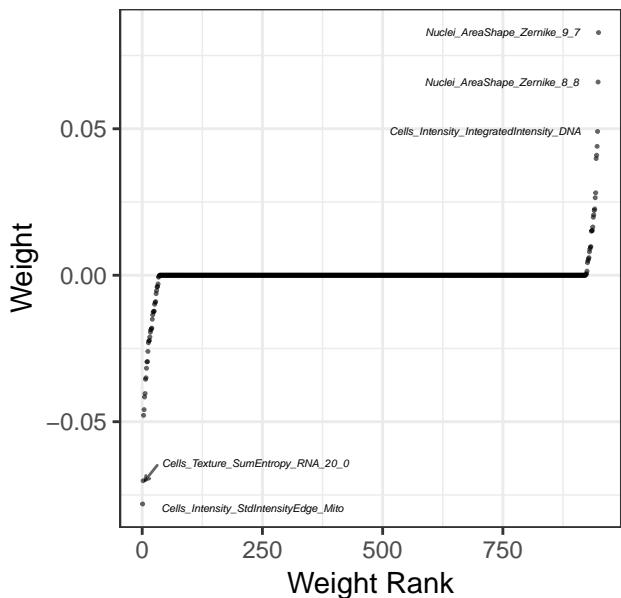


# Performance: cc\_cc\_n\_spots\_h2ax\_mean

Transform: raw

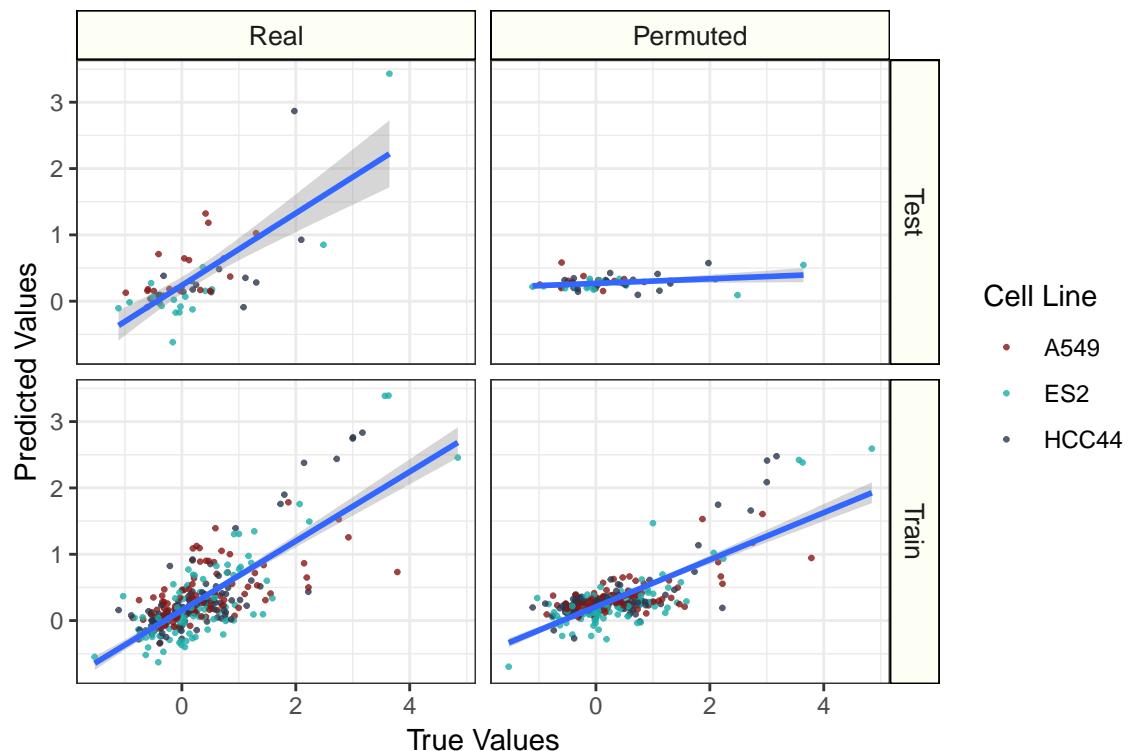


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.60  | 0.30  |
| Test  | Real    | raw       | 0.47  | 0.36  |
| Train | Shuffle | raw       | 0.45  | 0.42  |
| Test  | Shuffle | raw       | -0.48 | 1.01  |

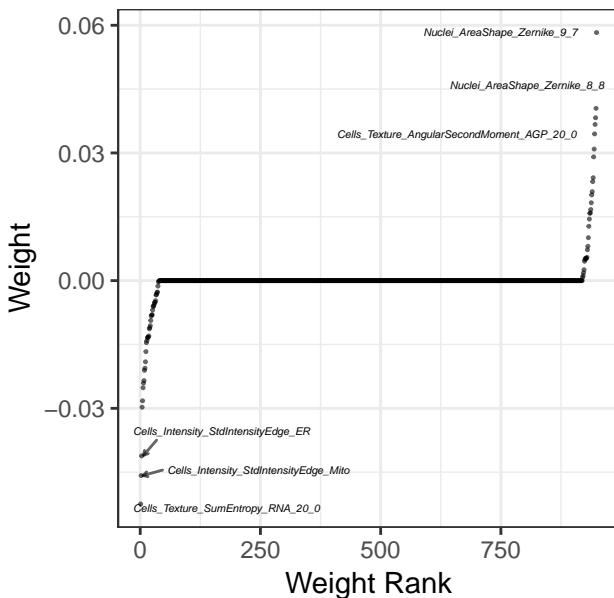


# Performance: cc\_cc\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

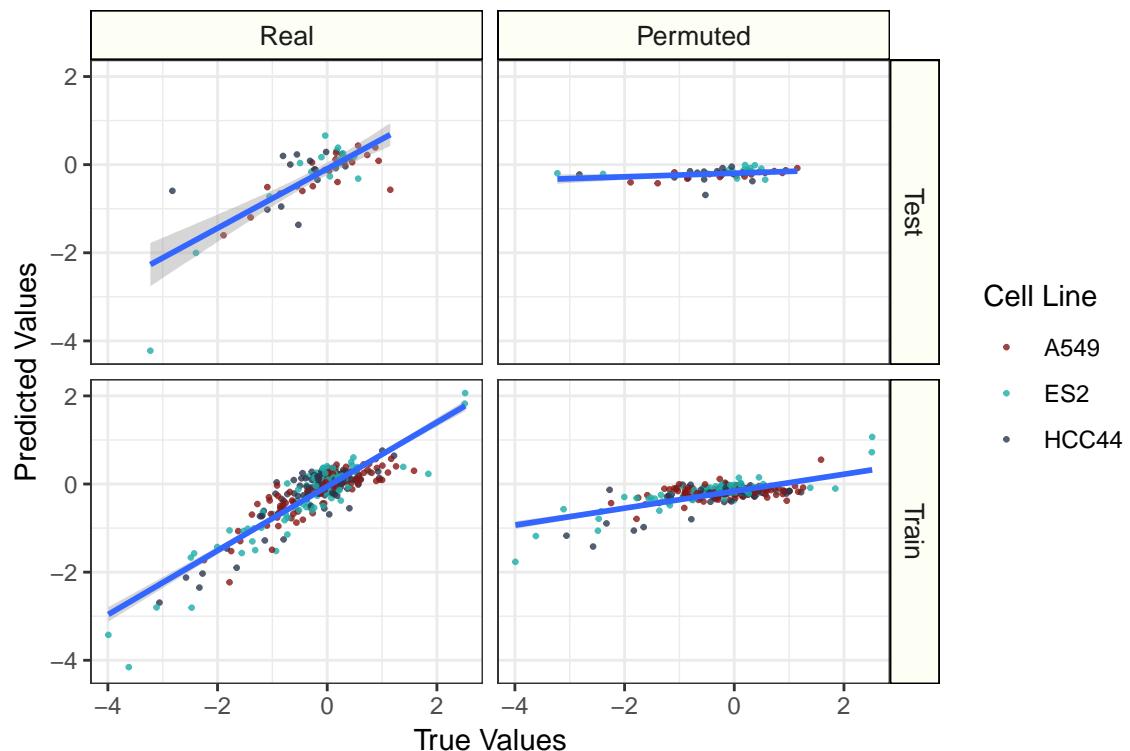


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.58 | 0.30  |
| Test  | Real    | raw       | 0.50 | 0.38  |
| Train | Shuffle | raw       | 0.49 | 0.36  |
| Test  | Shuffle | raw       | 0.05 | 0.73  |

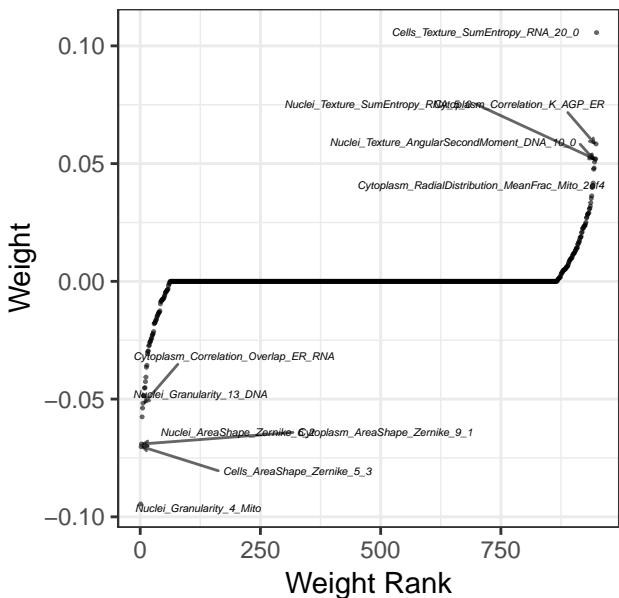


# Performance: cc\_cc\_s

Transform: raw

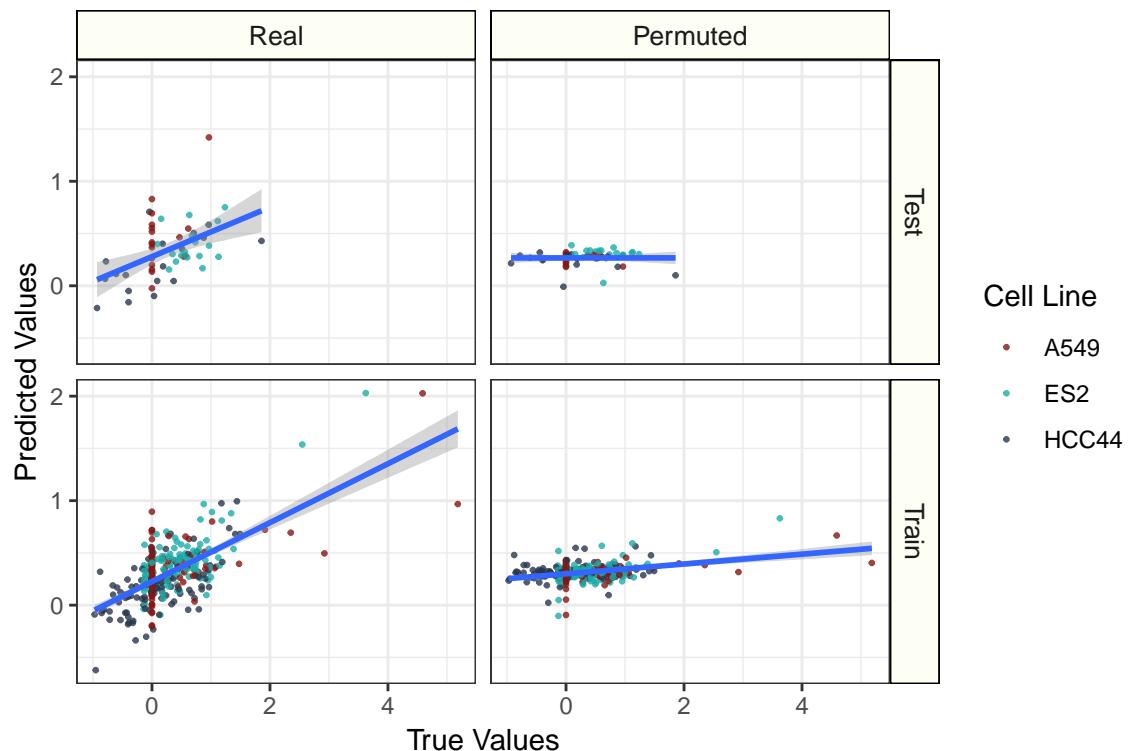


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.79 | 0.15  |
| Test  | Real    | raw       | 0.57 | 0.32  |
| Train | Shuffle | raw       | 0.31 | 0.48  |
| Test  | Shuffle | raw       | 0.06 | 0.69  |

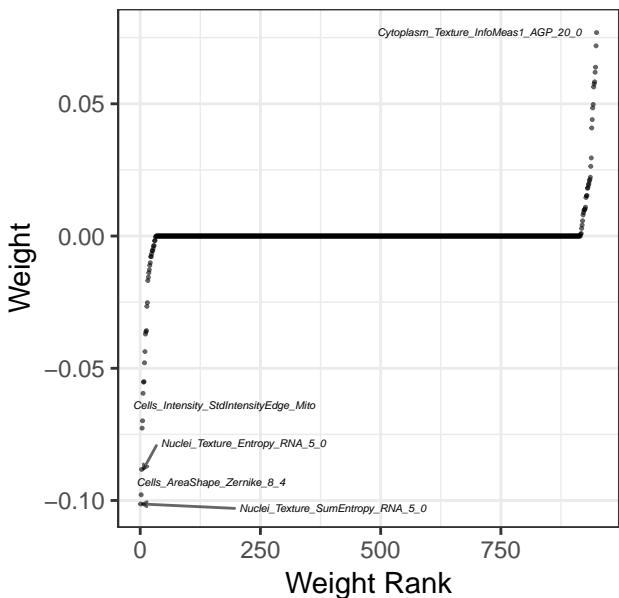


# Performance: cc\_early\_mitosis\_high\_h2ax

Transform: raw

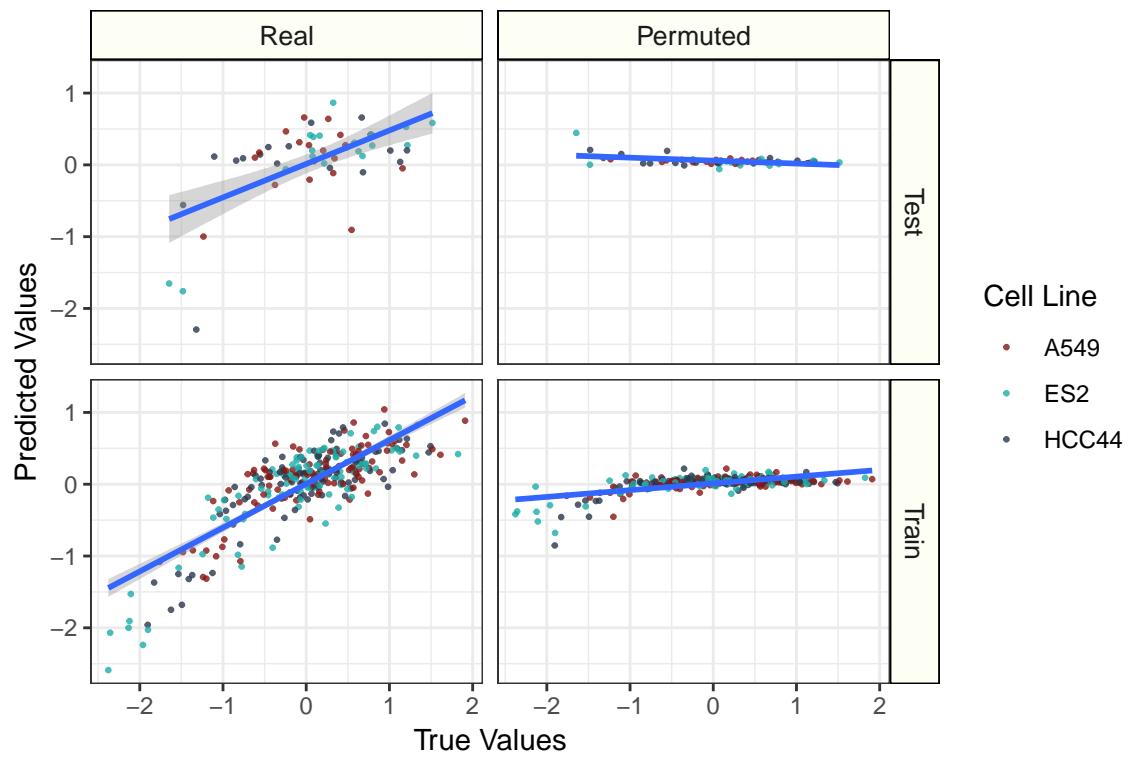


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.38  | 0.28  |
| Test  | Real    | raw       | 0.21  | 0.23  |
| Train | Shuffle | raw       | 0.08  | 0.42  |
| Test  | Shuffle | raw       | -0.02 | 0.30  |

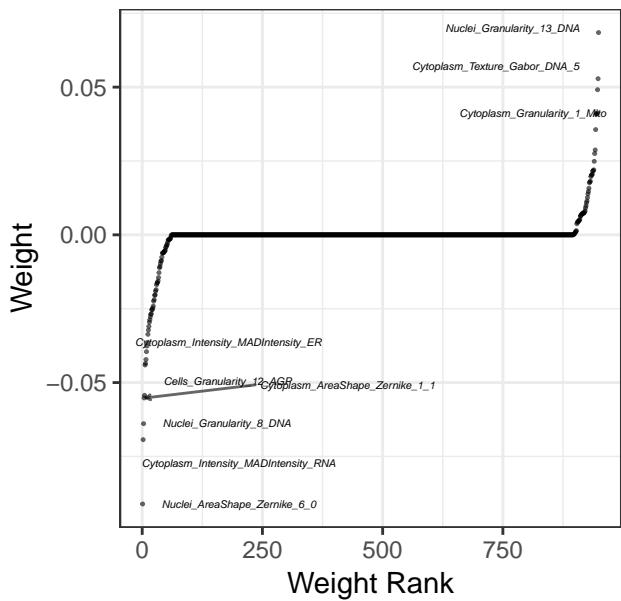


# Performance: cc\_early\_mitosis\_n\_objects

Transform: raw

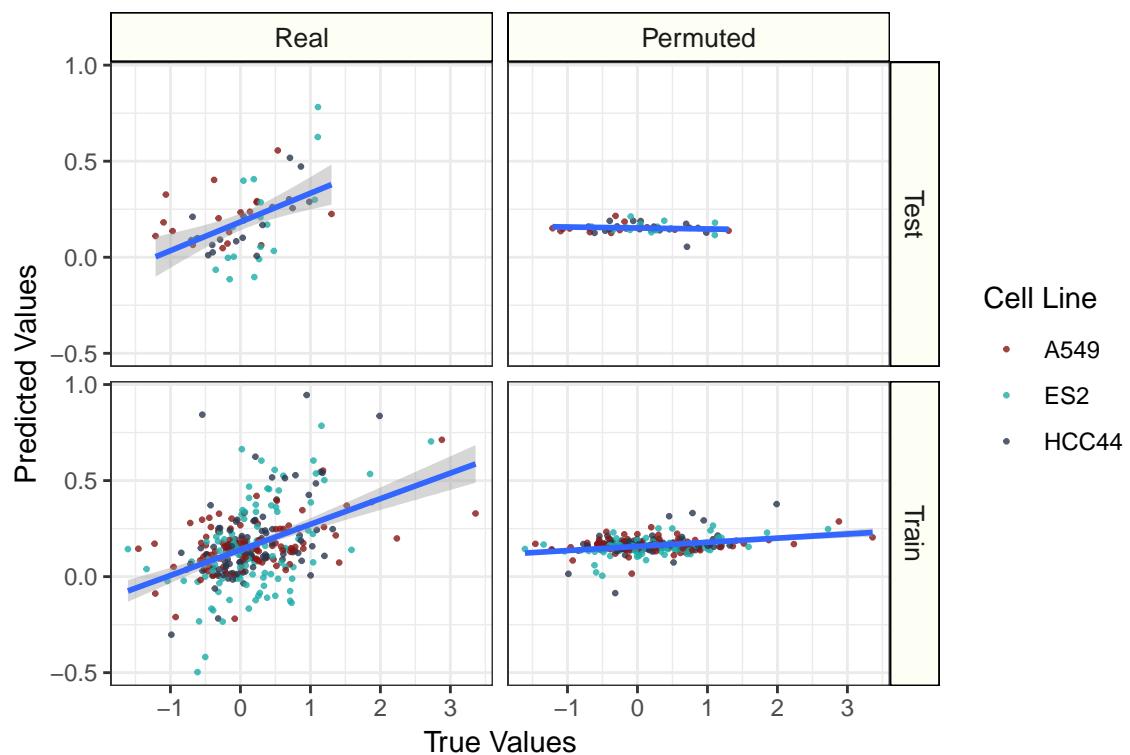


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.66  | 0.20  |
| Test  | Real    | raw       | 0.31  | 0.38  |
| Train | Shuffle | raw       | 0.16  | 0.48  |
| Test  | Shuffle | raw       | -0.09 | 0.61  |

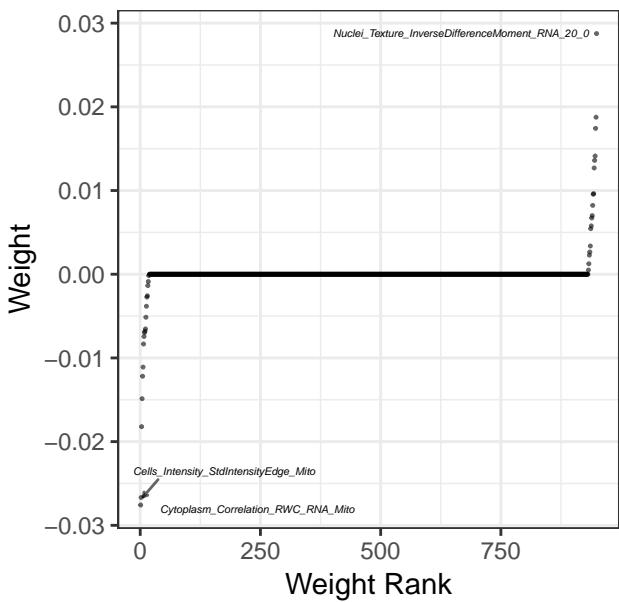


# Performance: cc\_early\_mitosis\_n\_spots\_h2ax\_mean

## Transform: raw

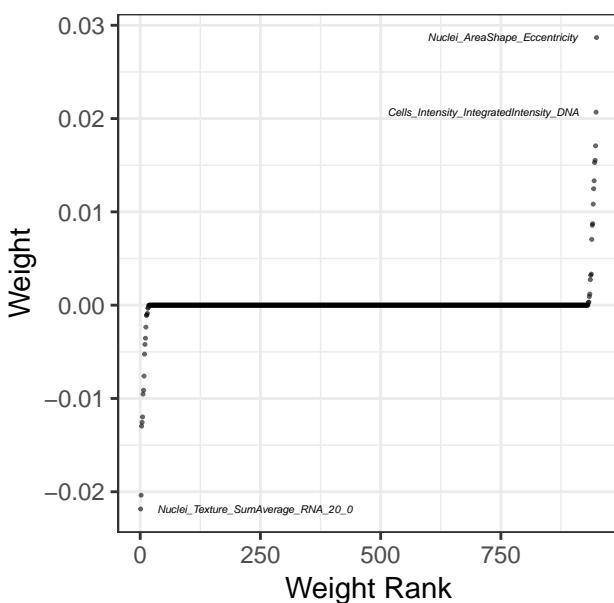
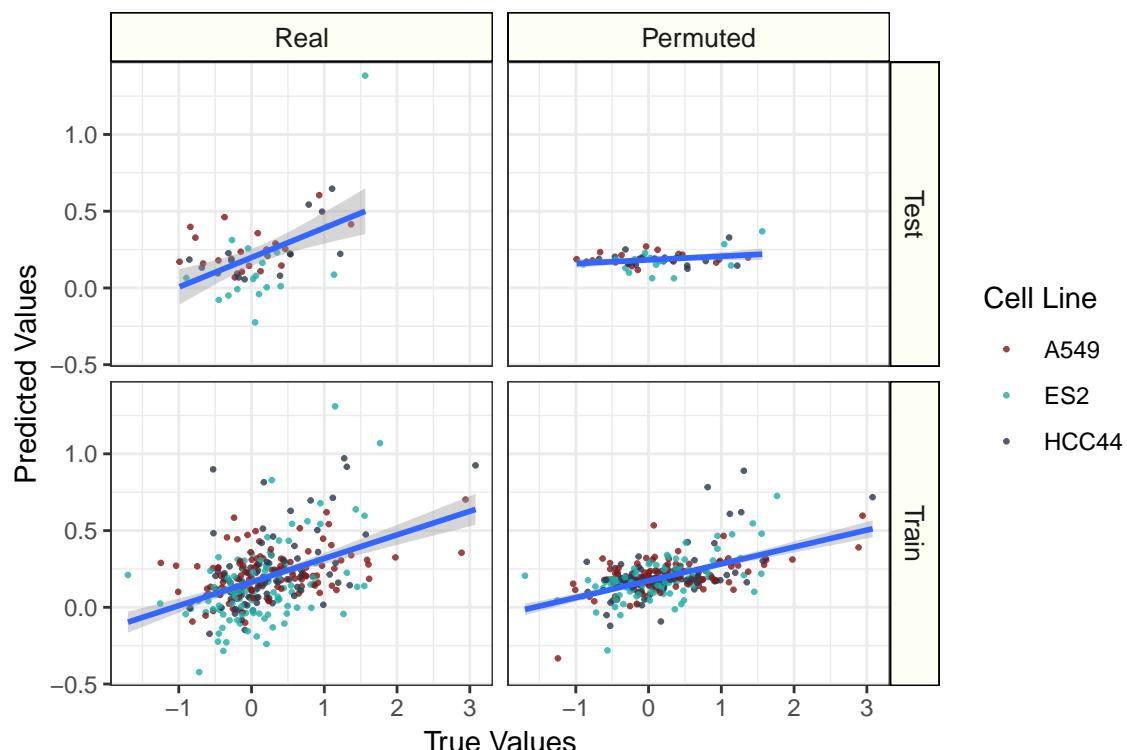


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.18  | 0.34  |
| Test  | Real    | raw       | 0.14  | 0.29  |
| Train | Shuffle | raw       | 0.04  | 0.40  |
| Test  | Shuffle | raw       | -0.05 | 0.35  |



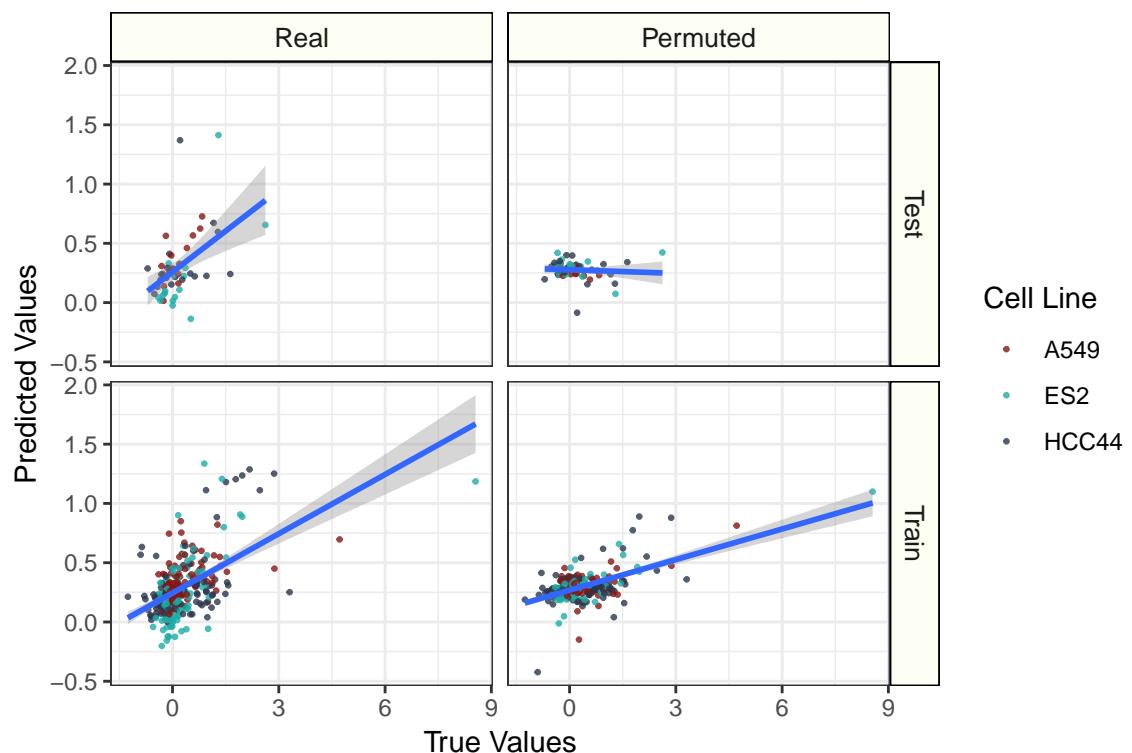
# Performance: cc\_early\_mitosis\_n\_spots\_h2ax\_per\_nucleus\_are

Transform: raw

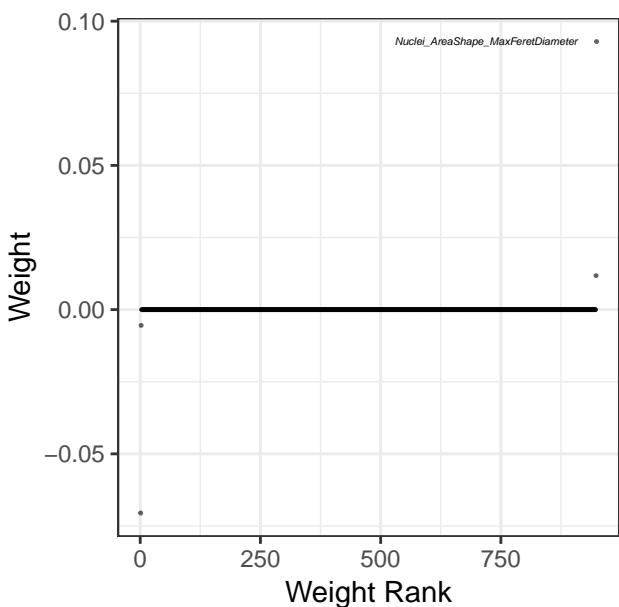


# Performance: cc\_g1\_high\_h2ax

Transform: raw

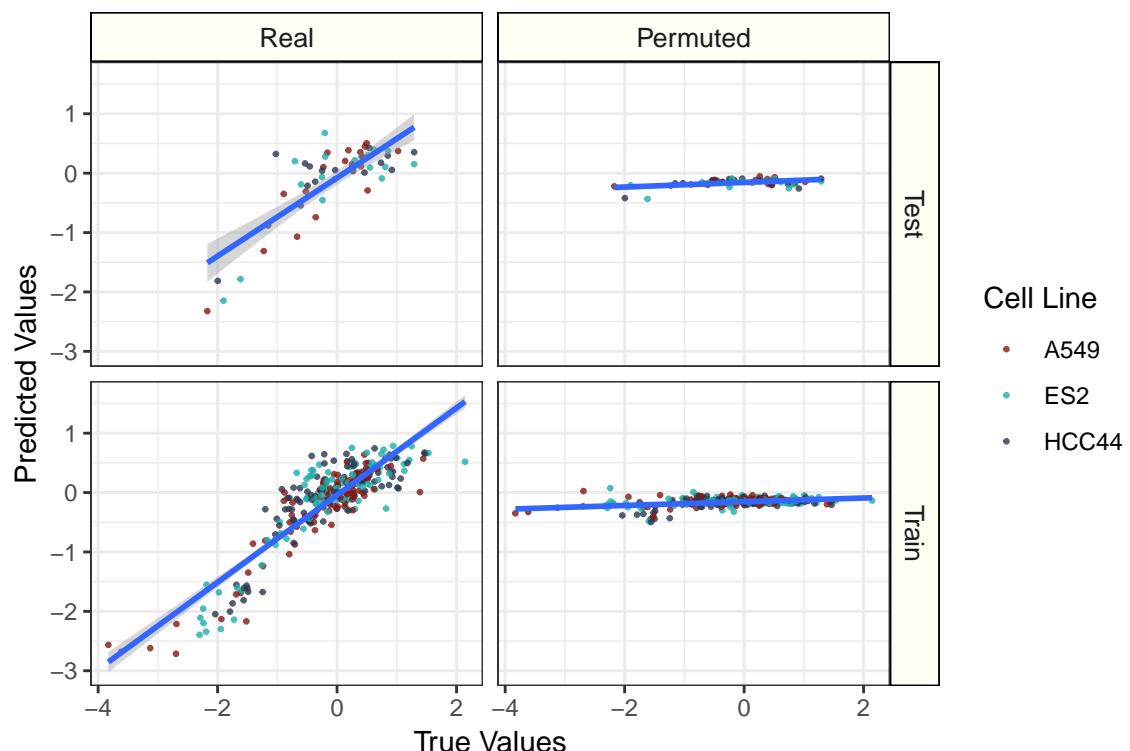


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.24  | 0.52  |
| Test  | Real    | raw       | 0.19  | 0.29  |
| Train | Shuffle | raw       | 0.15  | 0.58  |
| Test  | Shuffle | raw       | -0.08 | 0.38  |

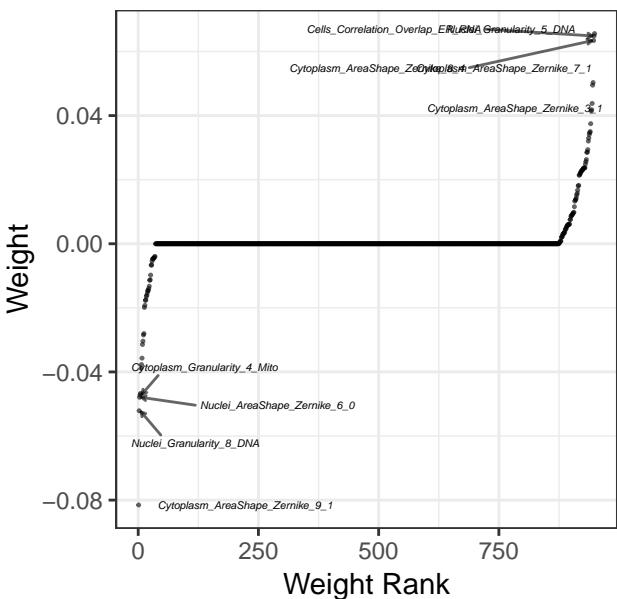


# Performance: cc\_g1\_n\_objects

## Transform: raw

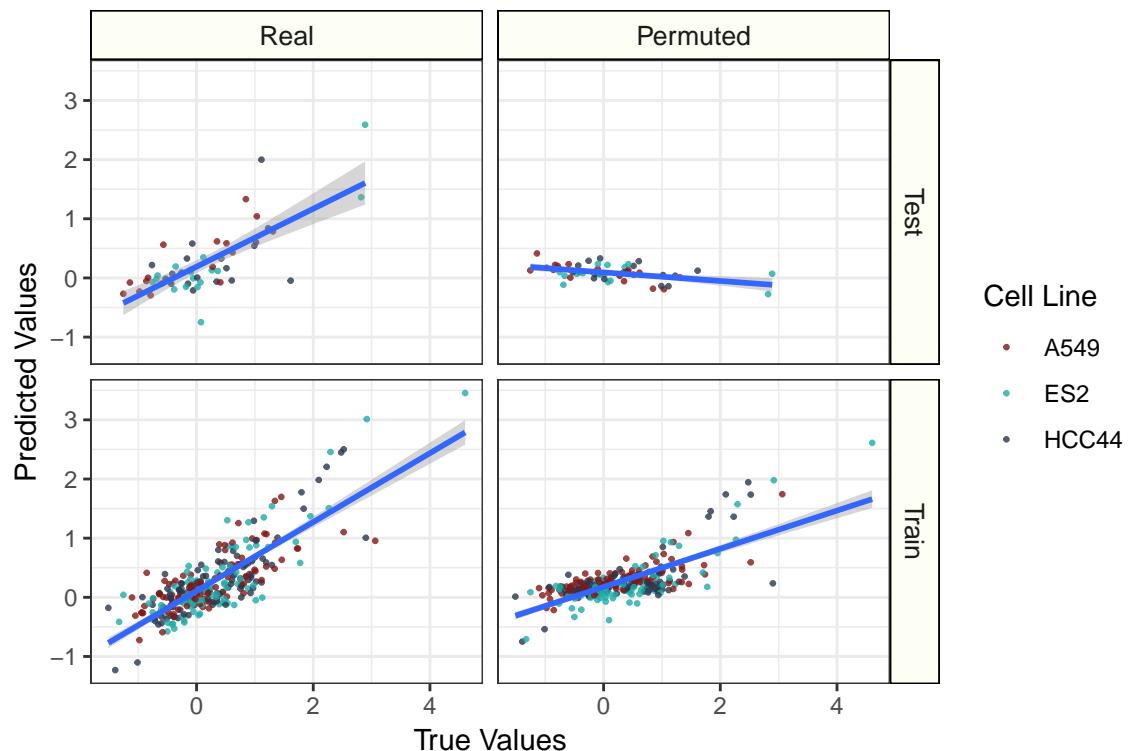


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.77 | 0.17  |
| Test  | Real    | raw       | 0.62 | 0.24  |
| Train | Shuffle | raw       | 0.06 | 0.70  |
| Test  | Shuffle | raw       | 0.06 | 0.60  |

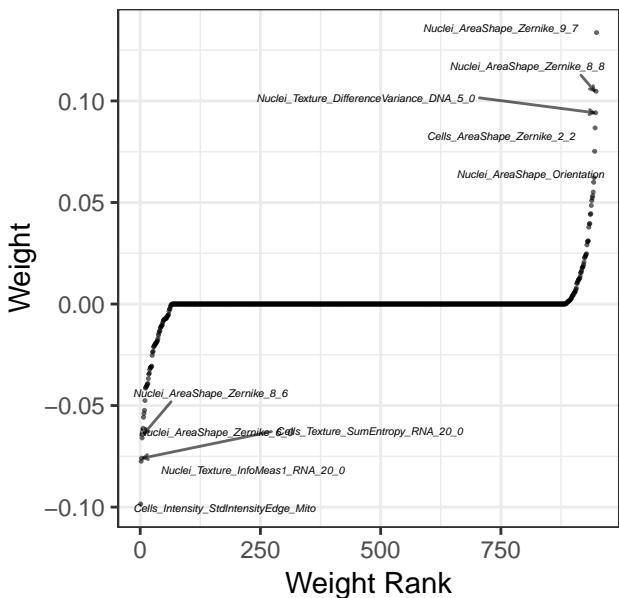


# Performance: cc\_g1\_n\_spots\_h2ax\_mean

Transform: raw

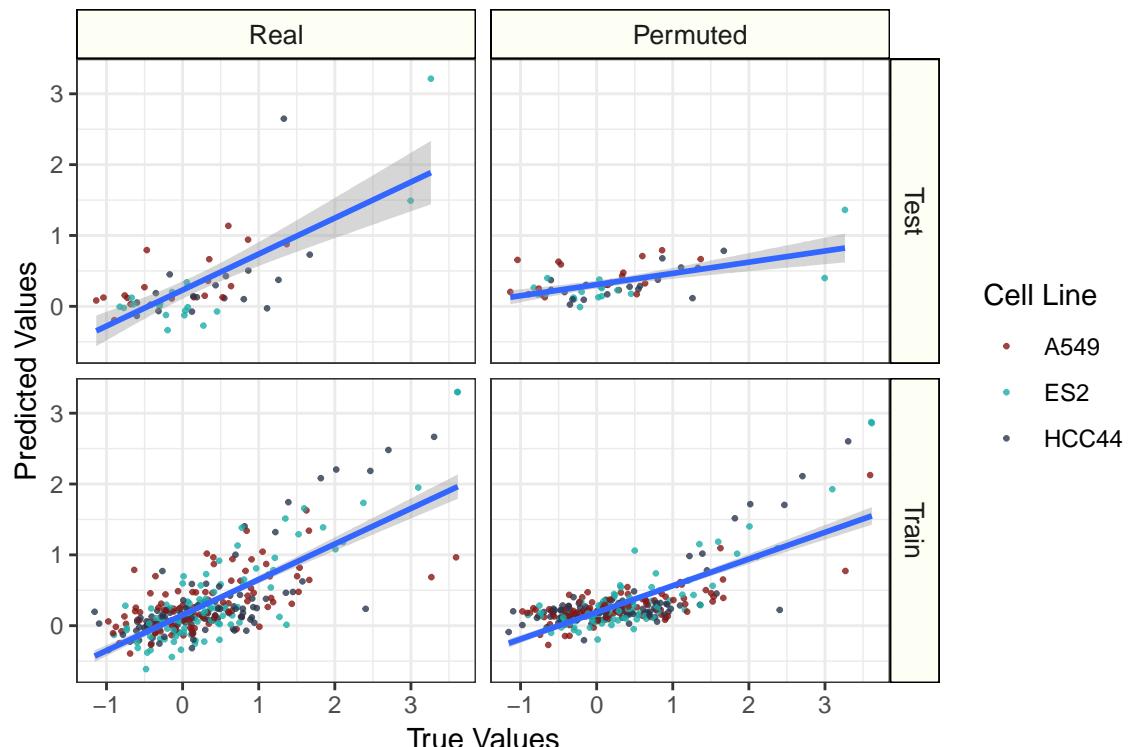


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.65  | 0.22  |
| Test  | Real    | raw       | 0.51  | 0.35  |
| Train | Shuffle | raw       | 0.45  | 0.36  |
| Test  | Shuffle | raw       | -0.17 | 0.84  |

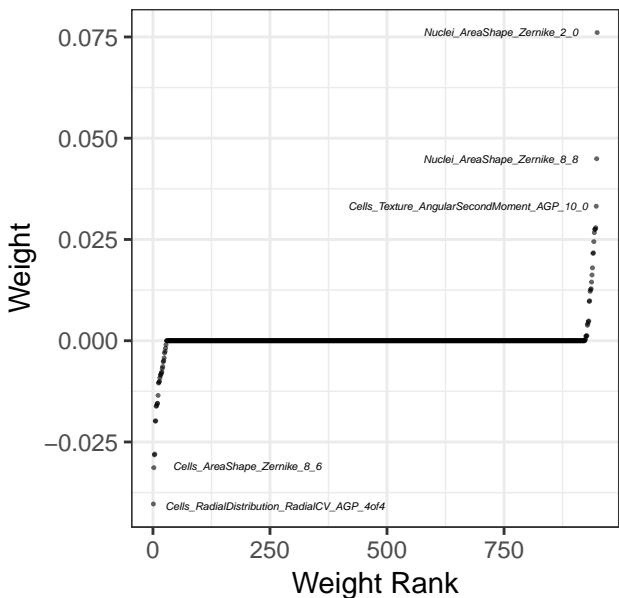


# Performance: cc\_g1\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

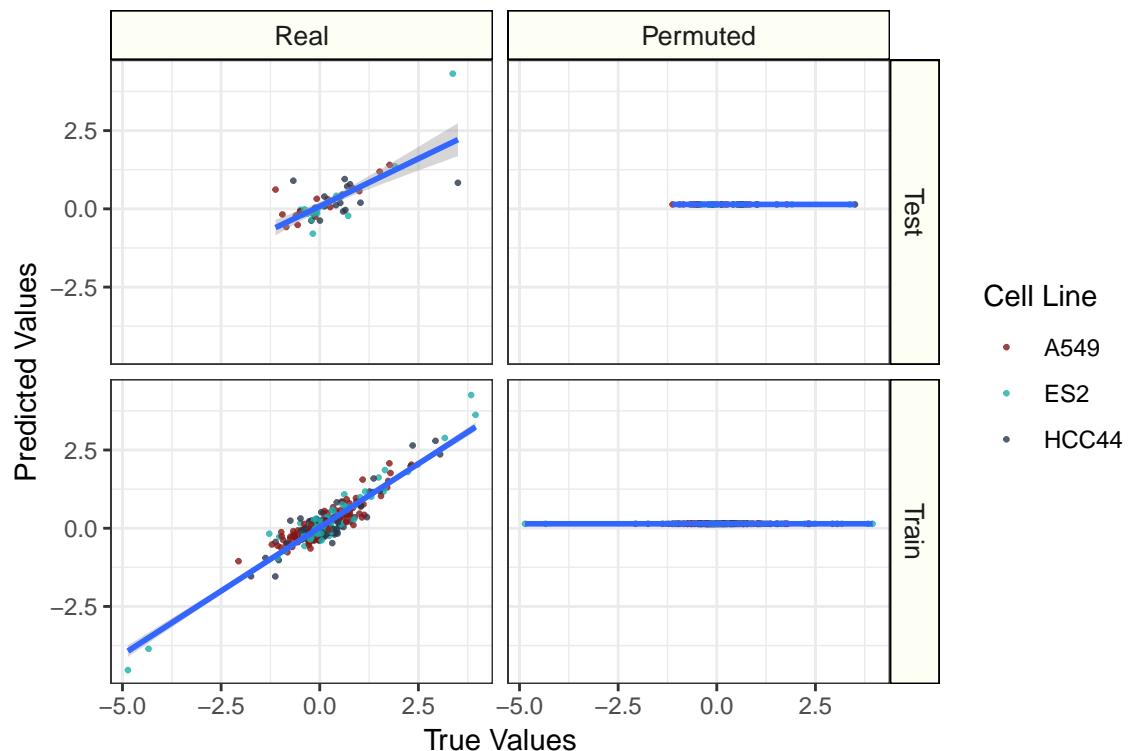


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.55 | 0.29  |
| Test  | Real    | raw       | 0.48 | 0.40  |
| Train | Shuffle | raw       | 0.51 | 0.32  |
| Test  | Shuffle | raw       | 0.20 | 0.61  |

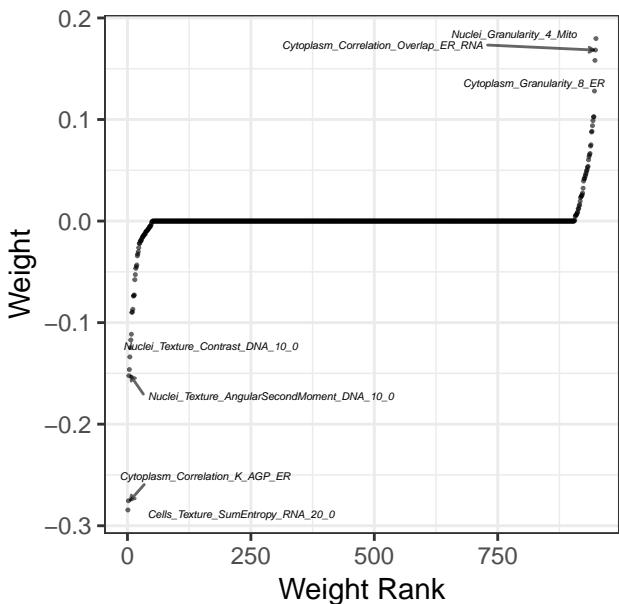


# Performance: cc\_g1\_plus\_g2\_count

Transform: raw

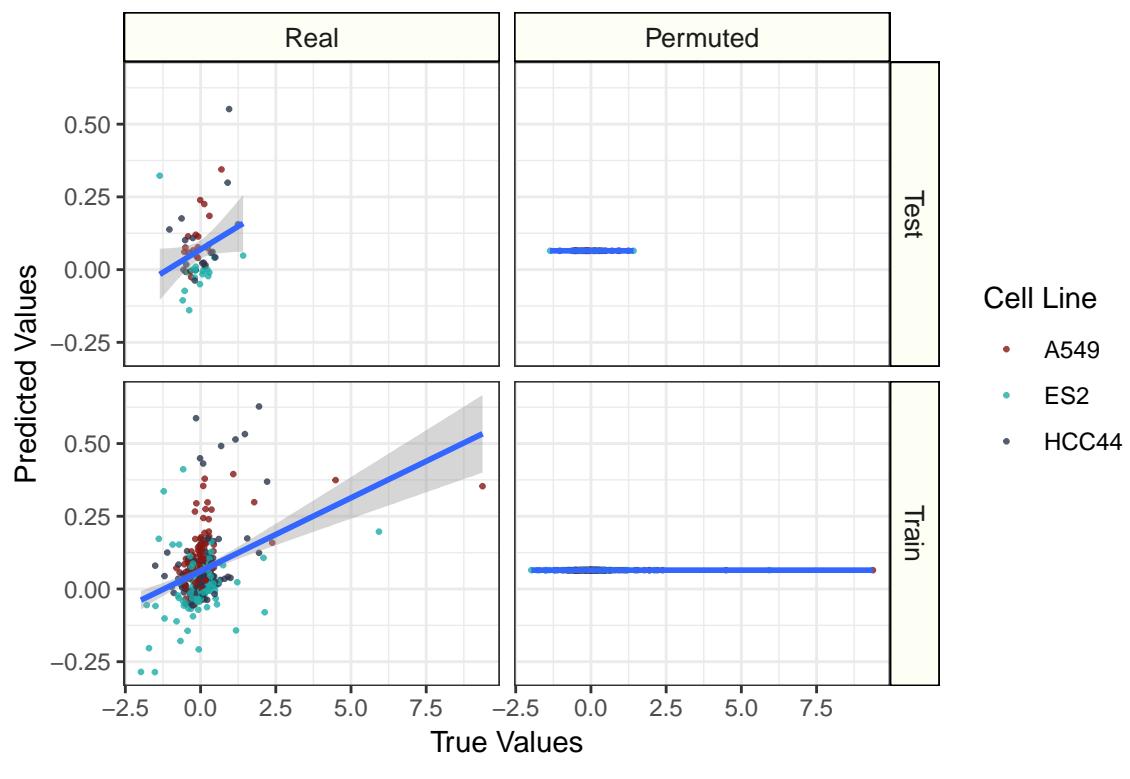


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.86  | 0.11  |
| Test  | Real    | raw       | 0.53  | 0.37  |
| Train | Shuffle | raw       | 0.00  | 0.78  |
| Test  | Shuffle | raw       | -0.01 | 0.79  |

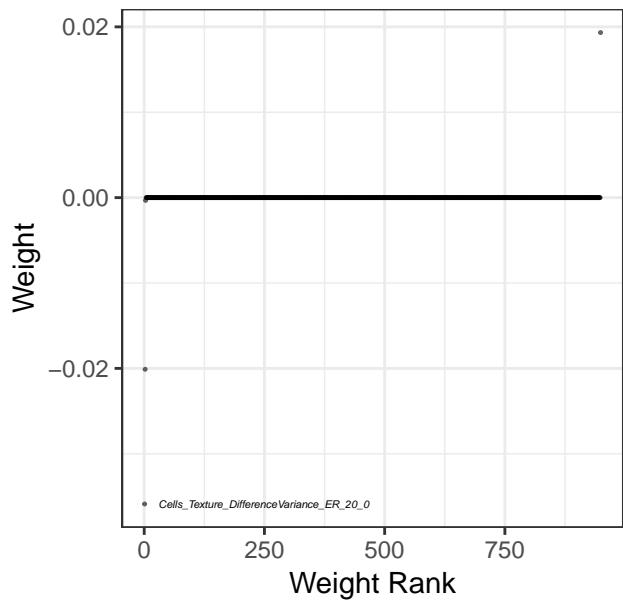


# Performance: cc\_g2\_g1\_count

Transform: raw

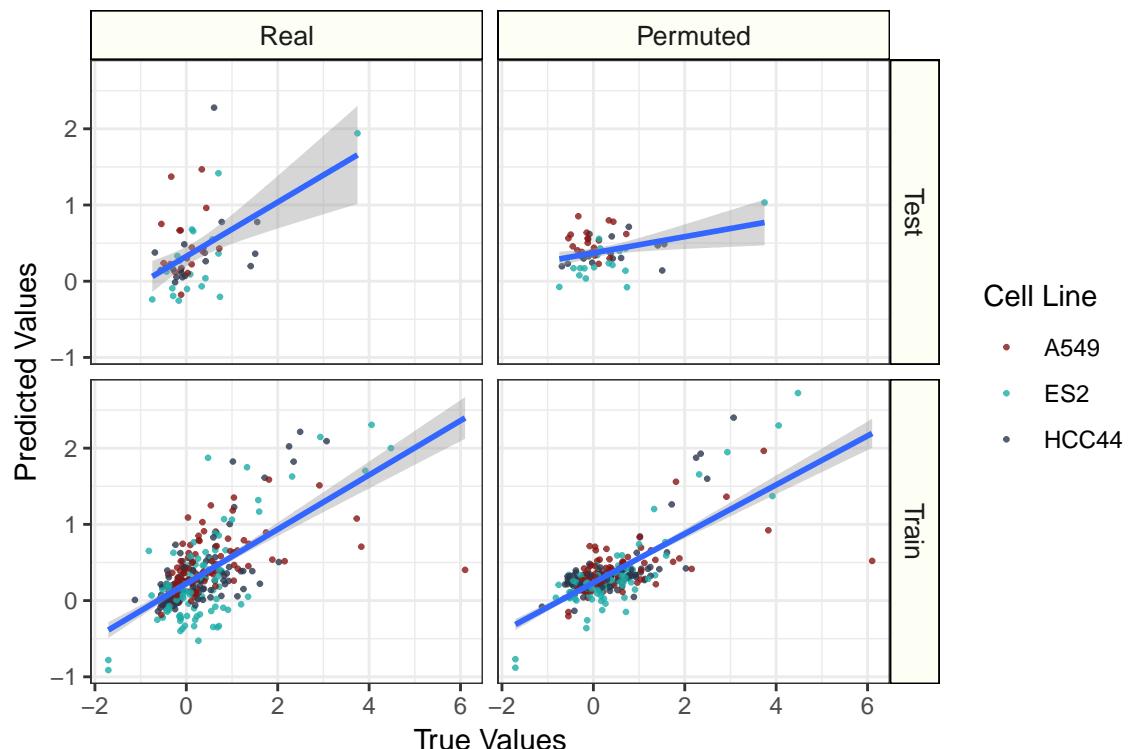


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.08  | 0.72  |
| Test  | Real    | raw       | 0.02  | 0.25  |
| Train | Shuffle | raw       | 0.00  | 0.79  |
| Test  | Shuffle | raw       | -0.05 | 0.27  |

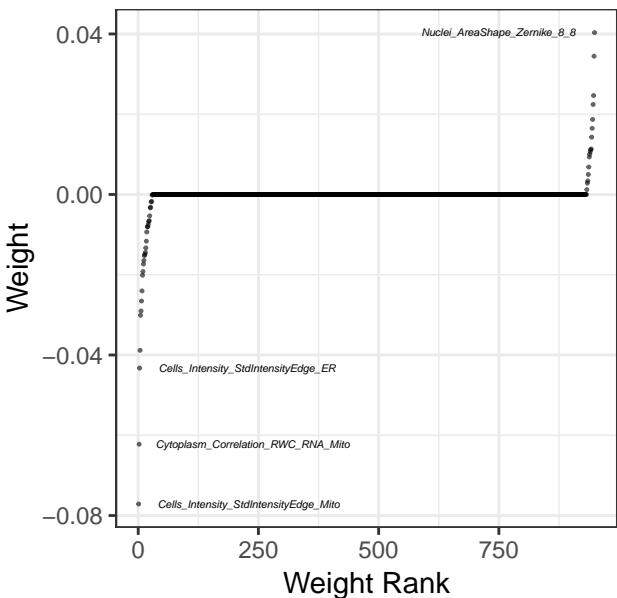


# Performance: cc\_g2\_high\_h2ax

Transform: raw

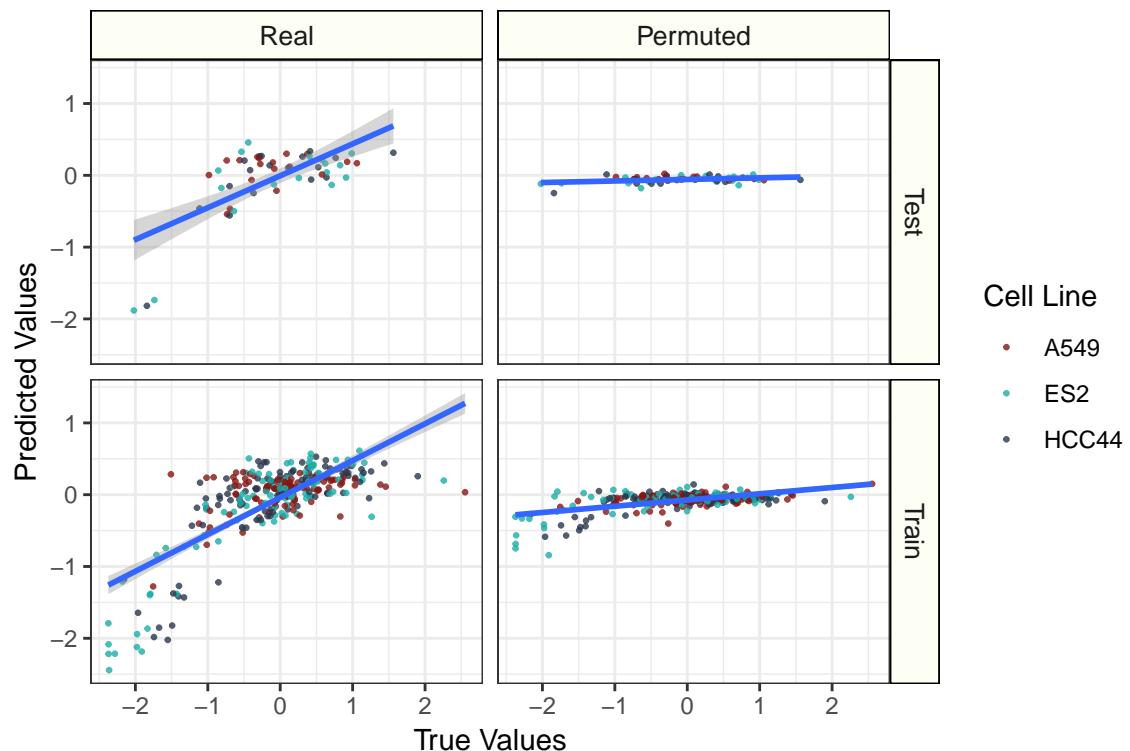


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.41 | 0.46  |
| Test  | Real    | raw       | 0.09 | 0.45  |
| Train | Shuffle | raw       | 0.46 | 0.43  |
| Test  | Shuffle | raw       | 0.02 | 0.49  |

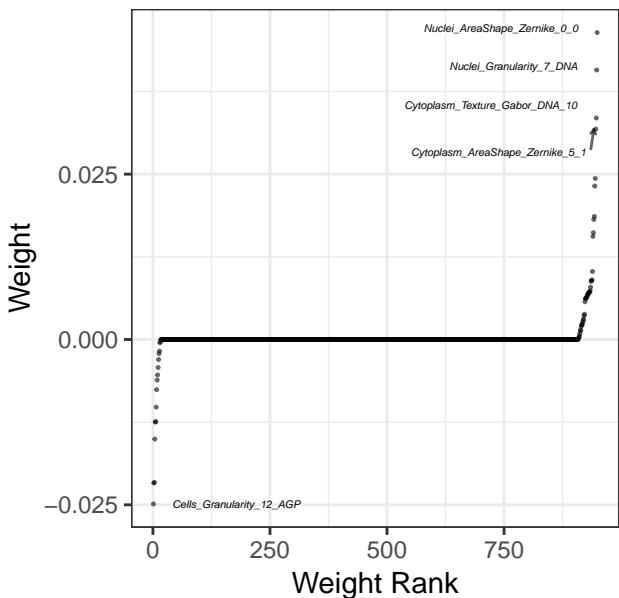


# Performance: cc\_g2\_n\_objects

Transform: raw

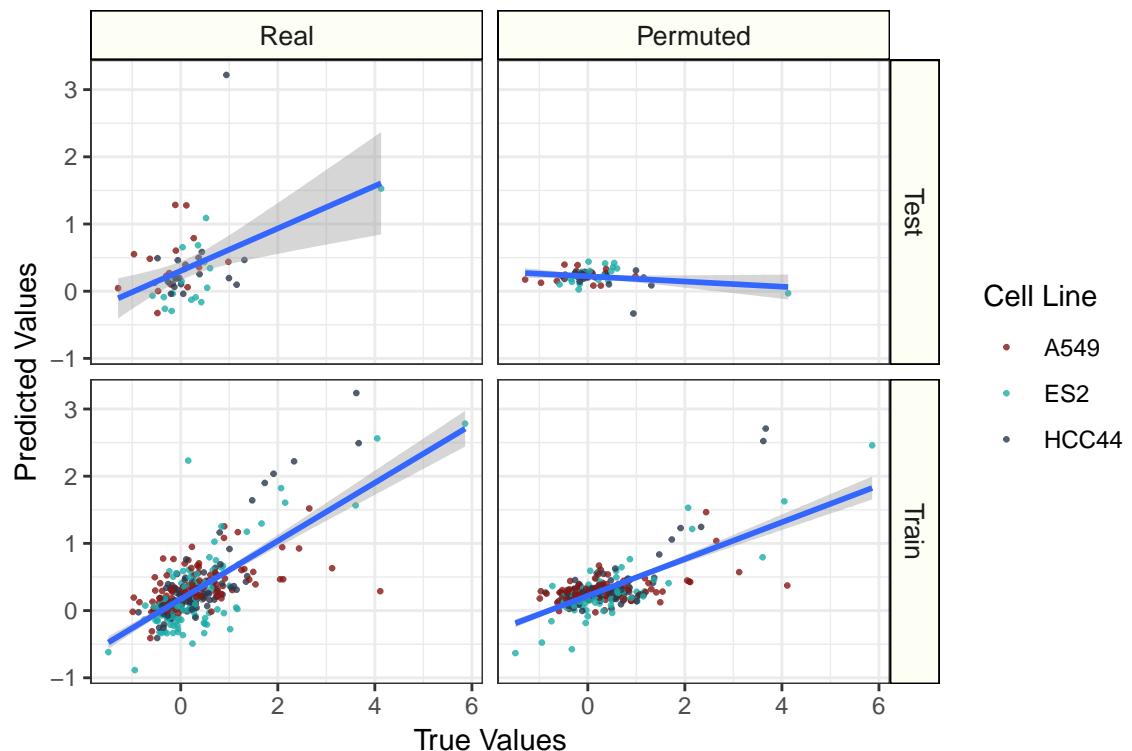


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.55 | 0.29  |
| Test  | Real    | raw       | 0.45 | 0.30  |
| Train | Shuffle | raw       | 0.15 | 0.56  |
| Test  | Shuffle | raw       | 0.04 | 0.53  |

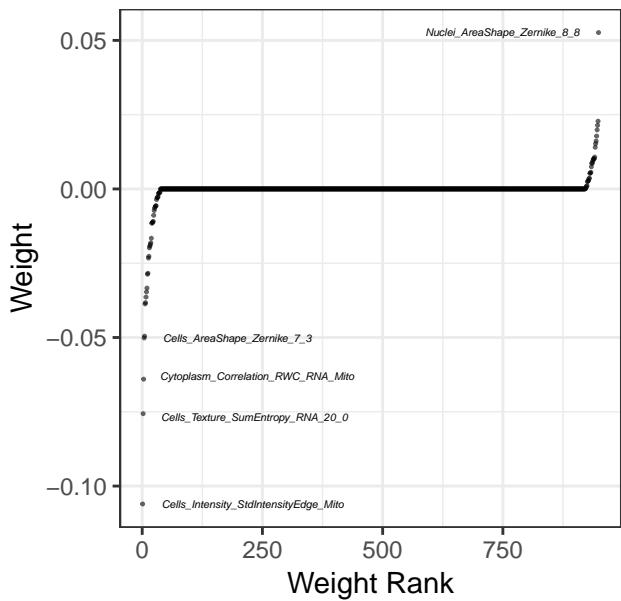


# Performance: cc\_g2\_n\_spots\_h2ax\_mean

Transform: raw

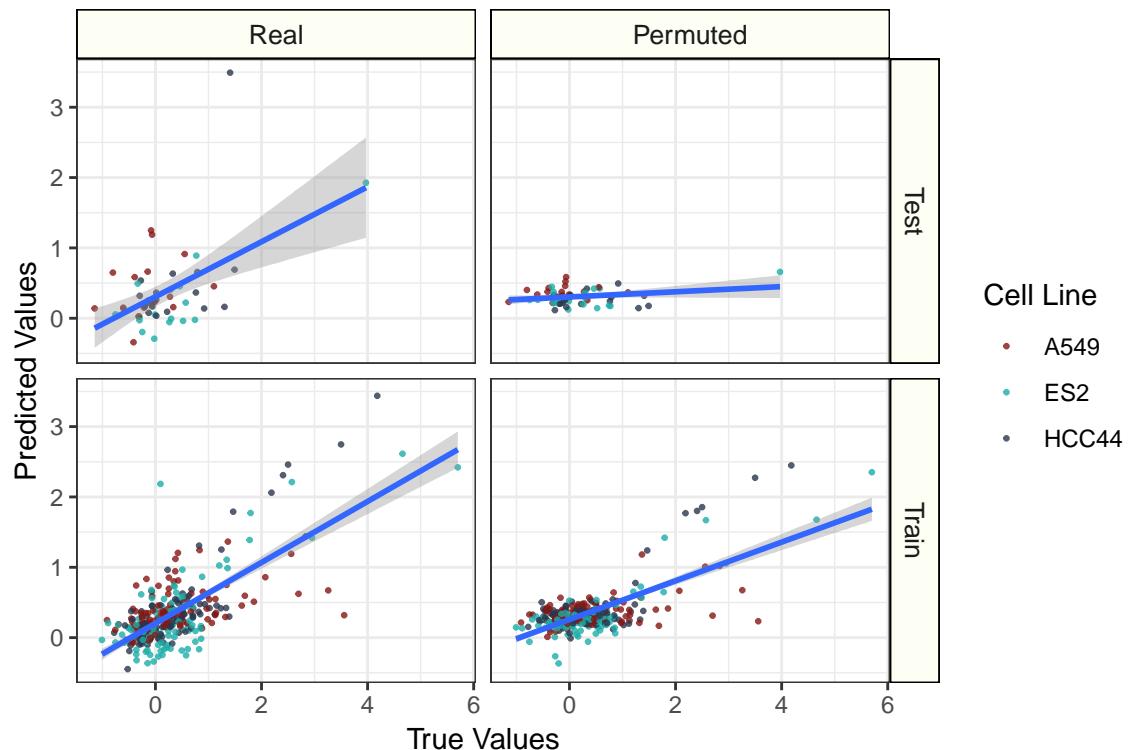


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.50  | 0.36  |
| Test  | Real    | raw       | -0.01 | 0.55  |
| Train | Shuffle | raw       | 0.40  | 0.43  |
| Test  | Shuffle | raw       | -0.12 | 0.62  |

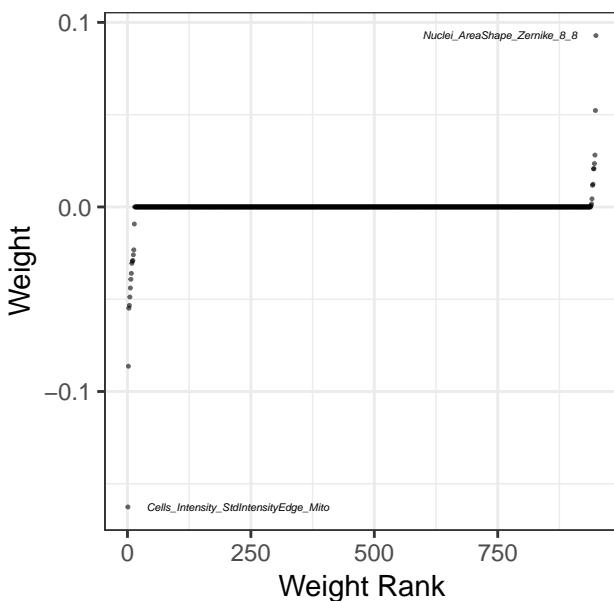


# Performance: cc\_g2\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

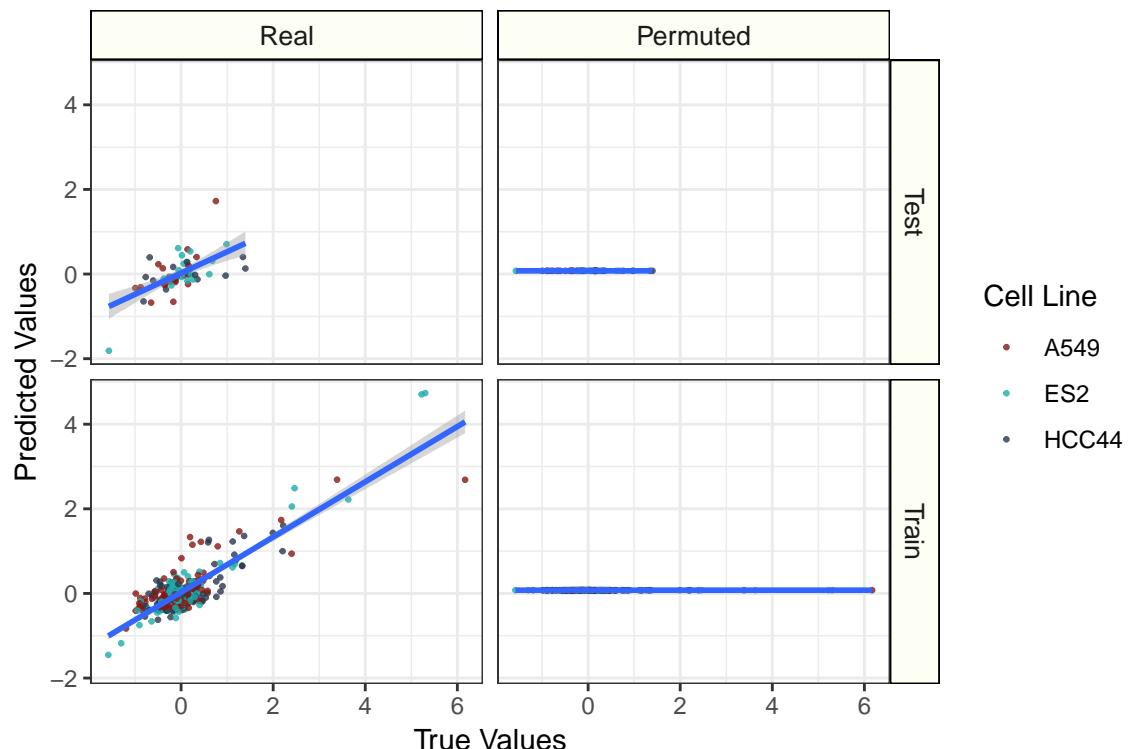


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.50 | 0.36  |
| Test  | Real    | raw       | 0.12 | 0.50  |
| Train | Shuffle | raw       | 0.40 | 0.43  |
| Test  | Shuffle | raw       | 0.01 | 0.56  |

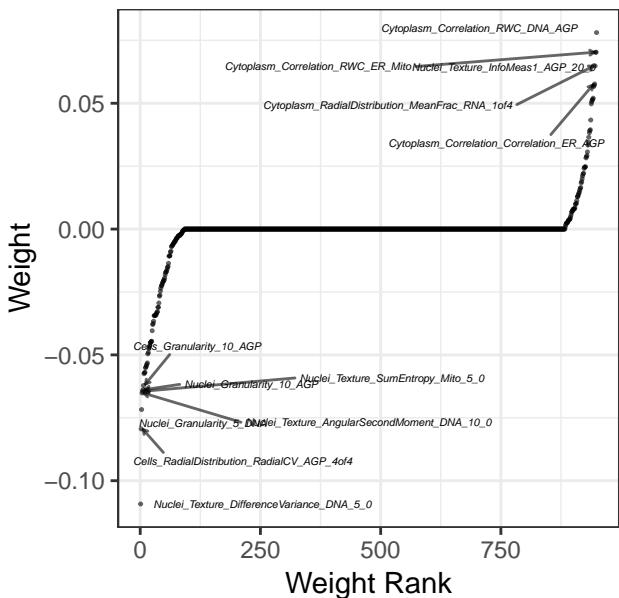


# Performance: cc\_g2\_plus\_all\_m\_count

Transform: raw

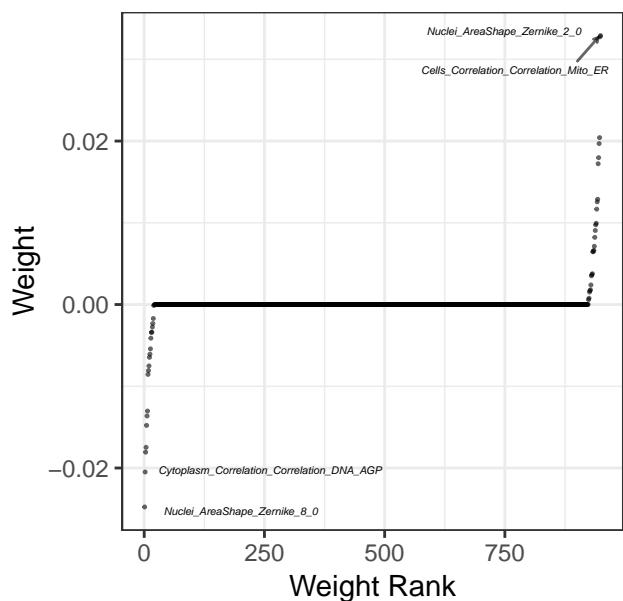
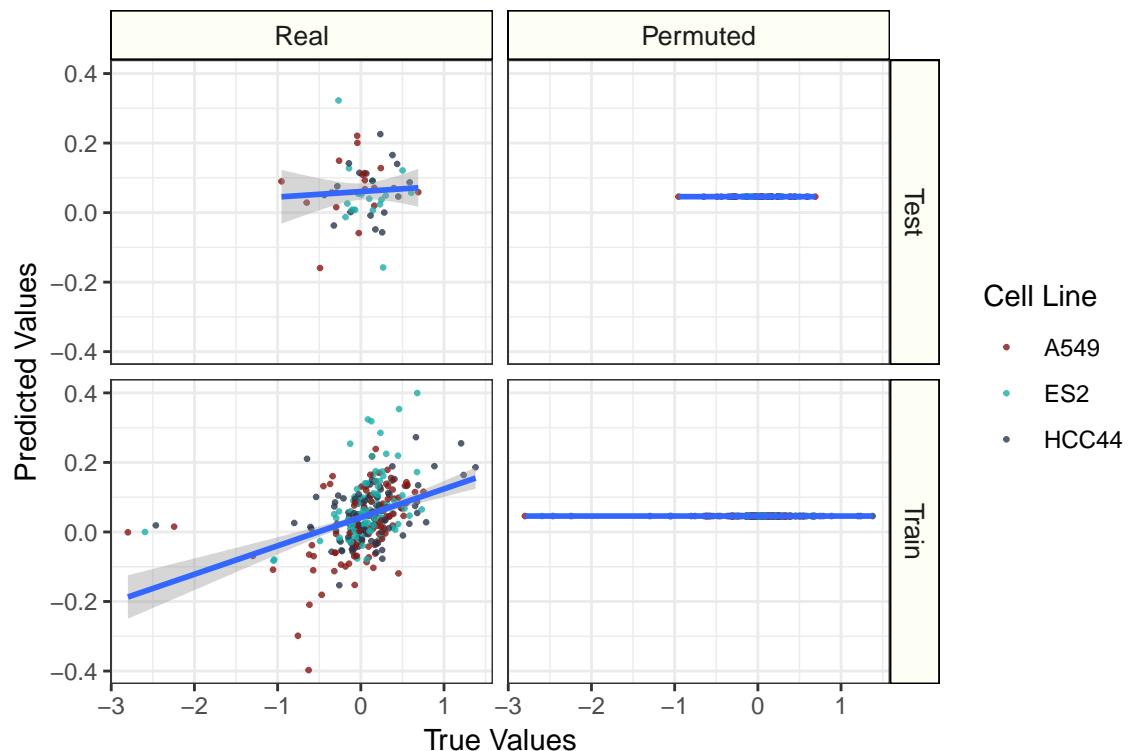


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.73  | 0.19  |
| Test  | Real    | raw       | 0.32  | 0.21  |
| Train | Shuffle | raw       | 0.00  | 0.70  |
| Test  | Shuffle | raw       | -0.04 | 0.32  |



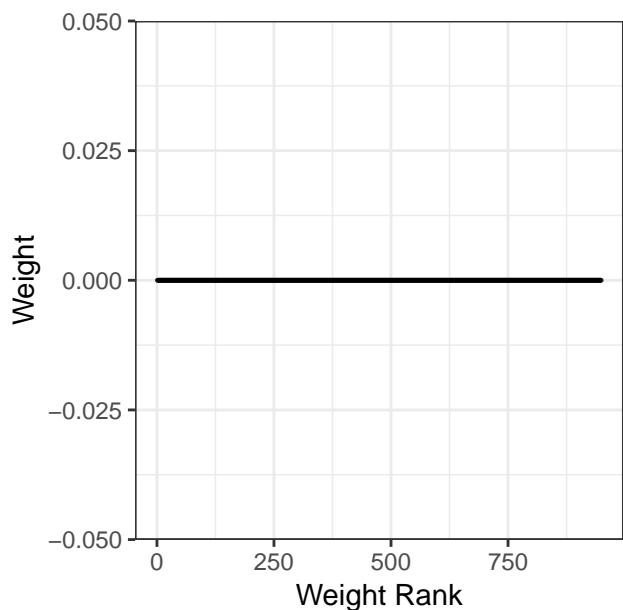
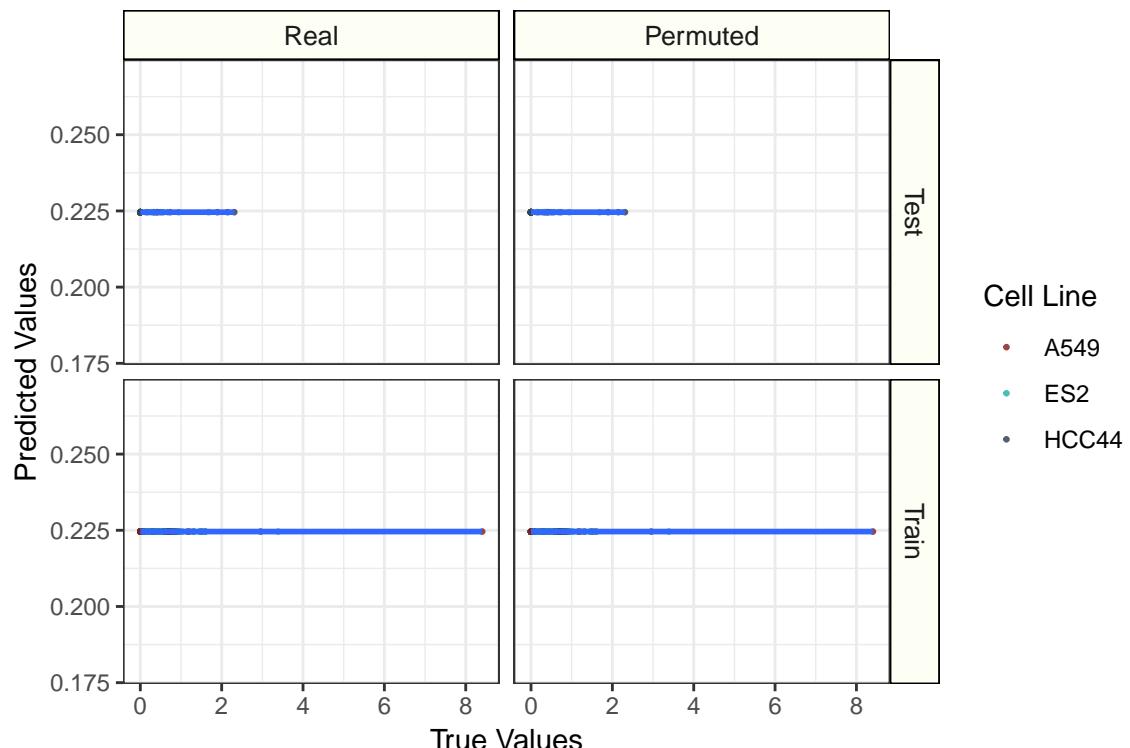
# Performance: cc\_infection\_percentage

Transform: raw



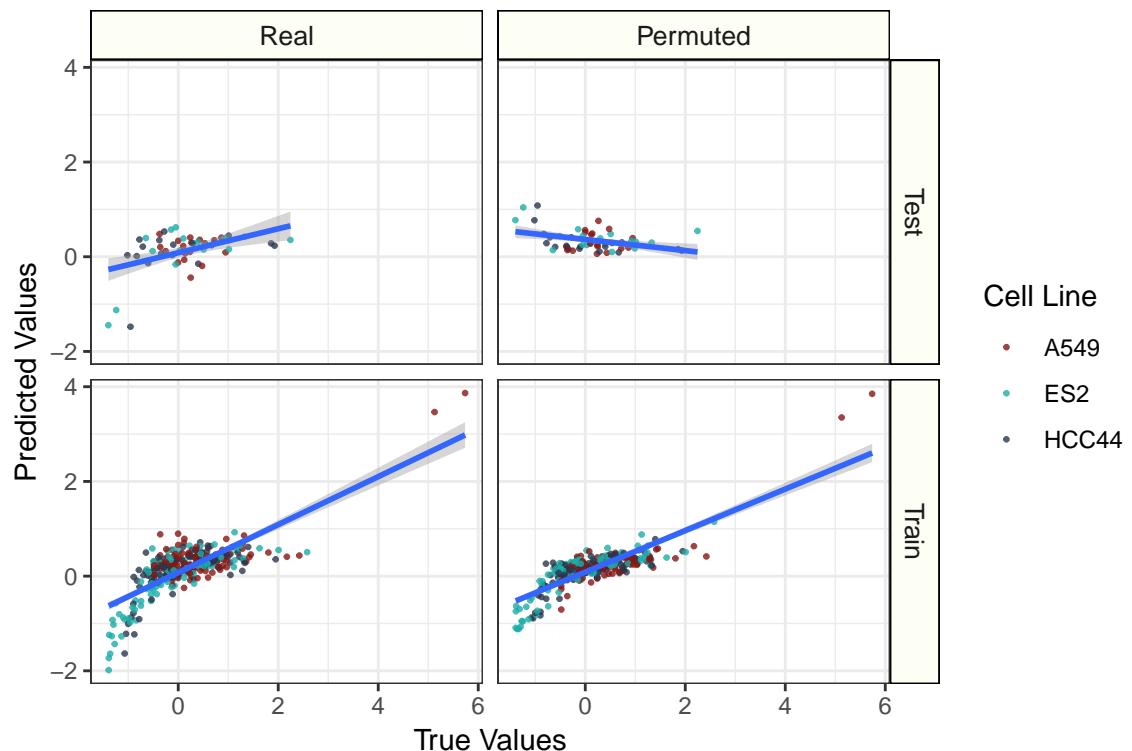
# Performance: cc\_late\_mitosis\_high\_h2ax

Transform: raw

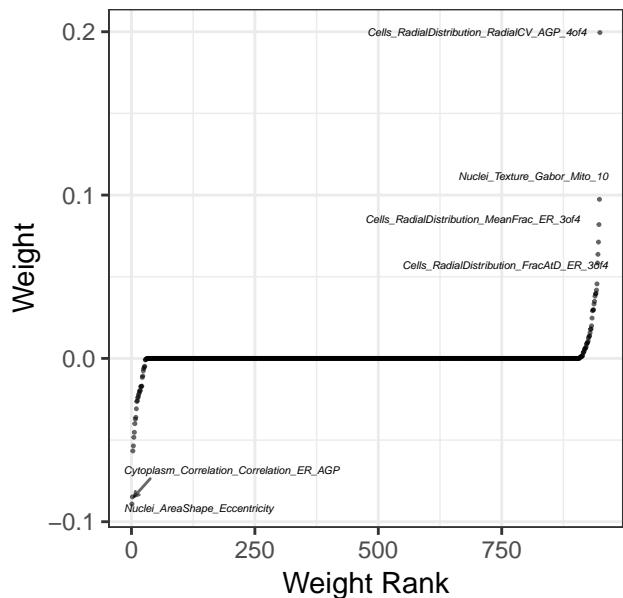


# Performance: cc\_late\_mitosis\_n\_objects

Transform: raw

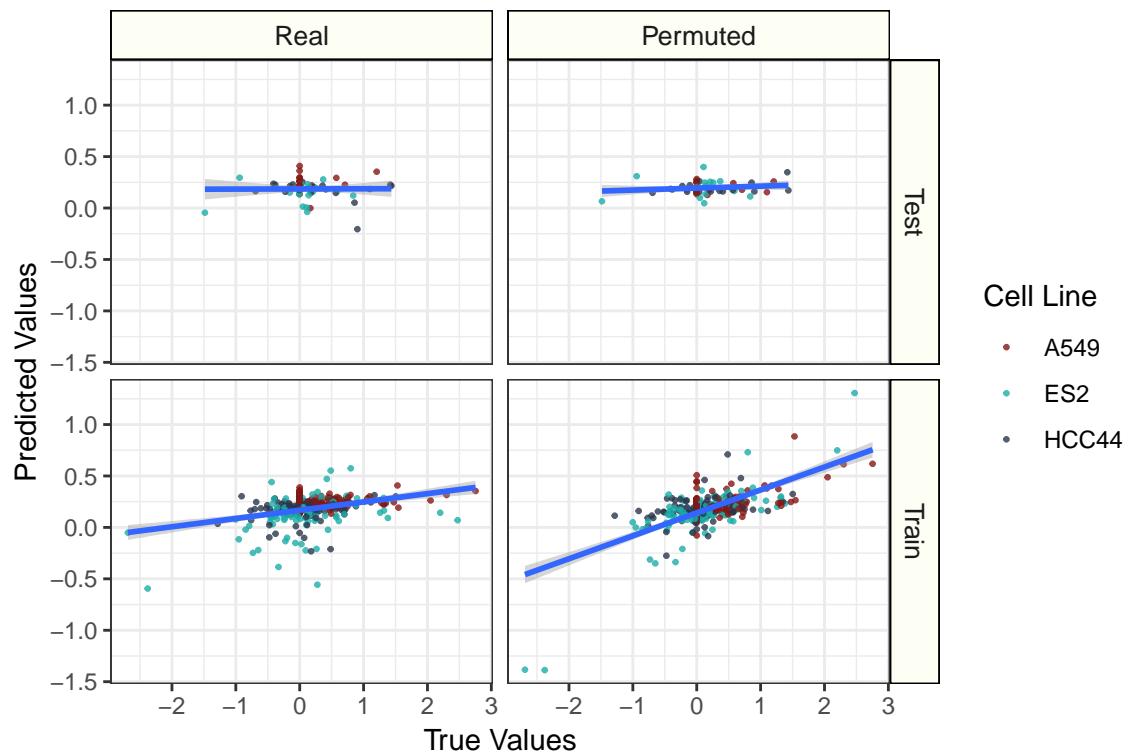


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.58  | 0.29  |
| Test  | Real    | raw       | 0.20  | 0.45  |
| Train | Shuffle | raw       | 0.59  | 0.28  |
| Test  | Shuffle | raw       | -0.38 | 0.77  |

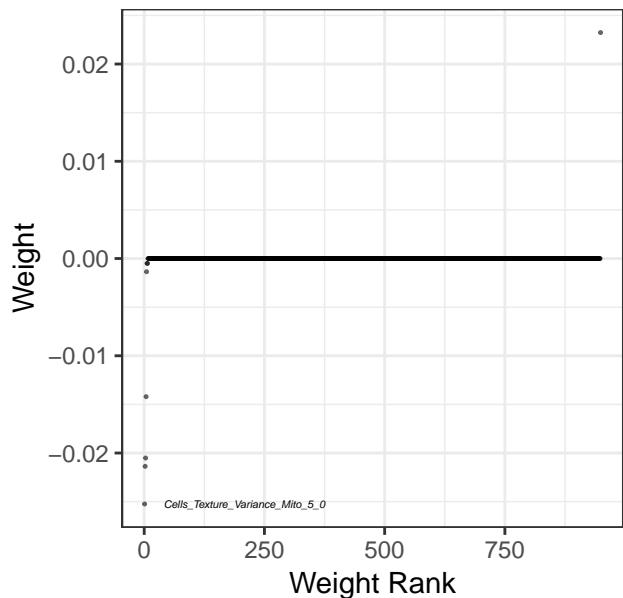


# Performance: cc\_late\_mitosis\_n\_spots\_h2ax\_mean

Transform: raw

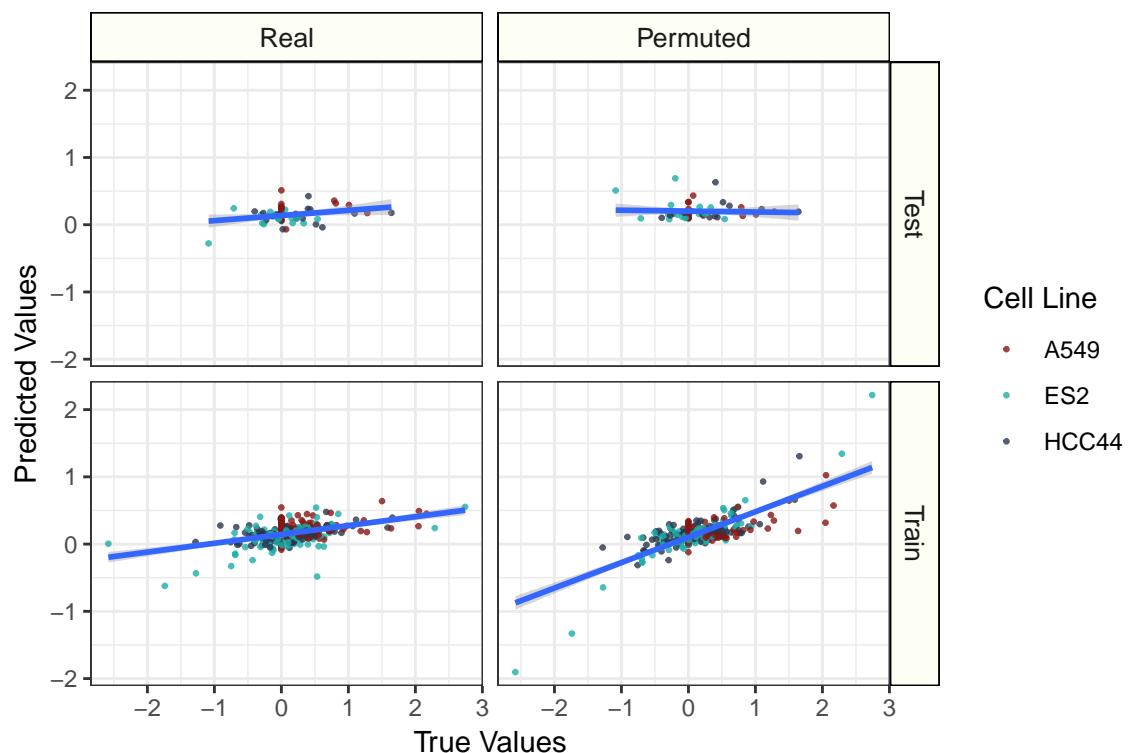


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.11  | 0.31  |
| Test  | Real    | raw       | -0.04 | 0.27  |
| Train | Shuffle | raw       | 0.33  | 0.23  |
| Test  | Shuffle | raw       | 0.02  | 0.25  |

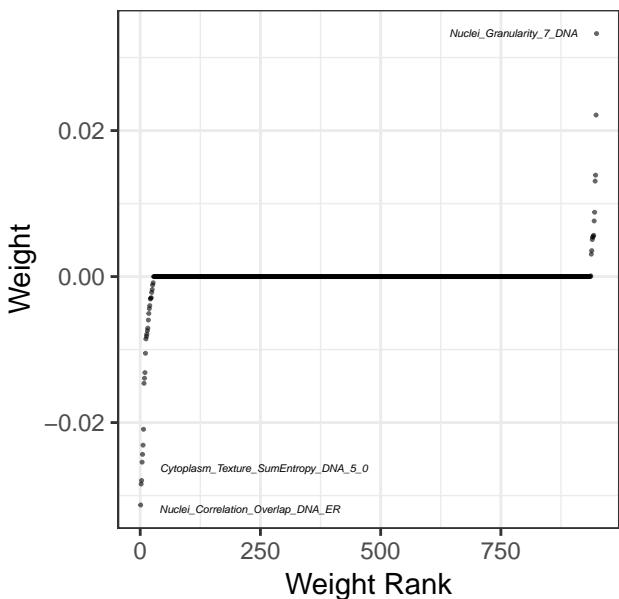


# Performance: cc\_late\_mitosis\_n\_spots\_h2ax\_per\_nucleus\_area

## Transform: raw

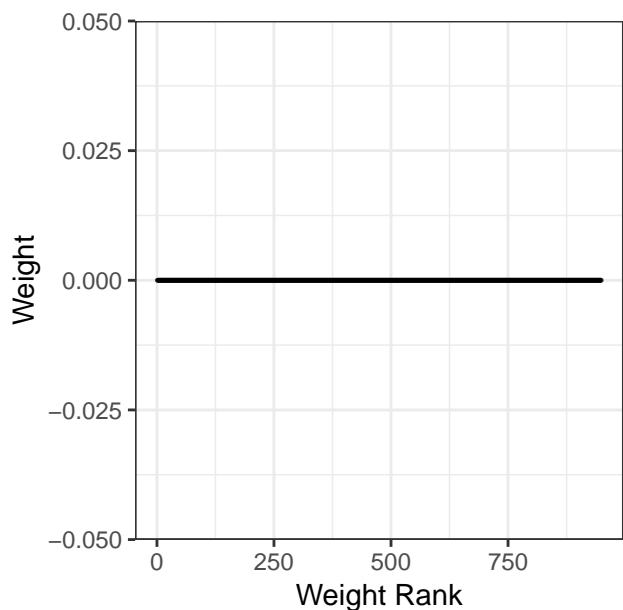
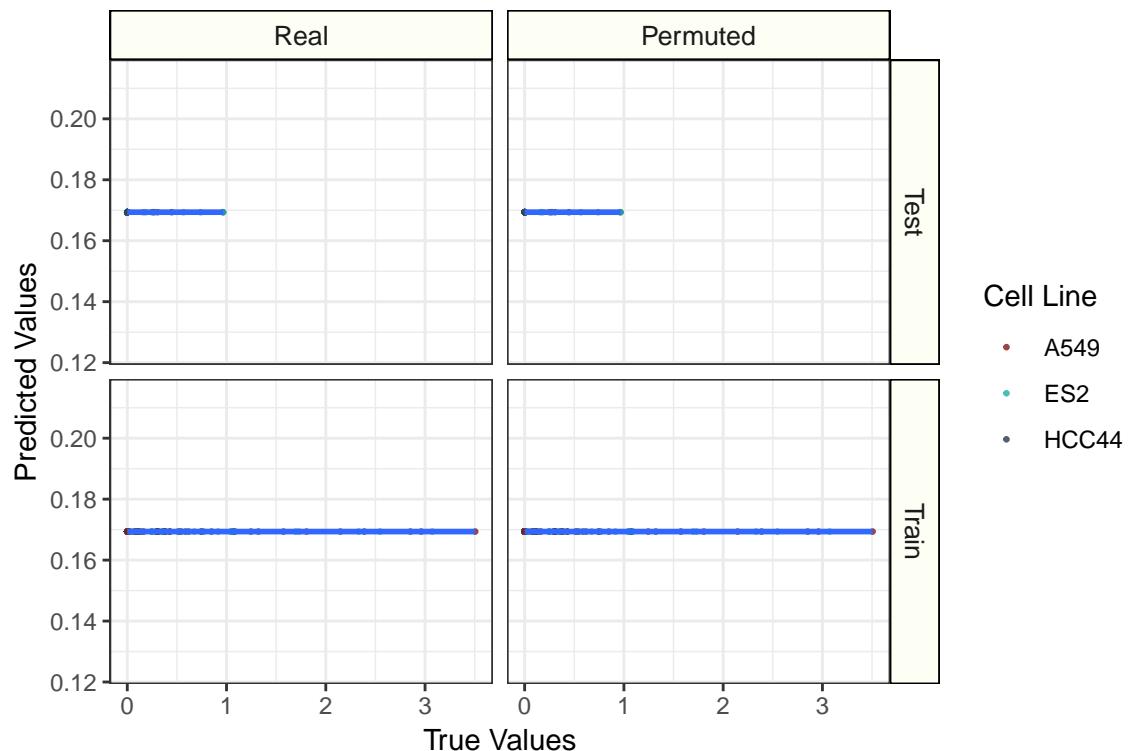


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.18  | 0.23  |
| Test  | Real    | raw       | 0.07  | 0.19  |
| Train | Shuffle | raw       | 0.51  | 0.14  |
| Test  | Shuffle | raw       | -0.12 | 0.23  |



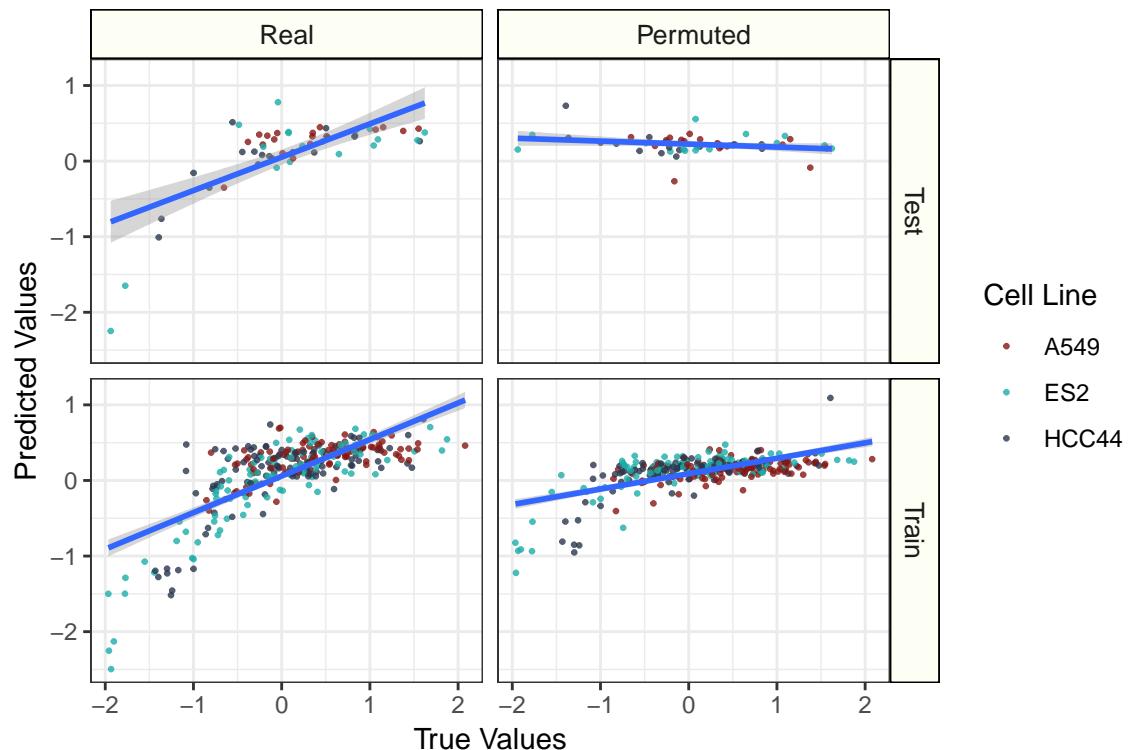
# Performance: cc\_mitosis\_high\_h2ax

Transform: raw

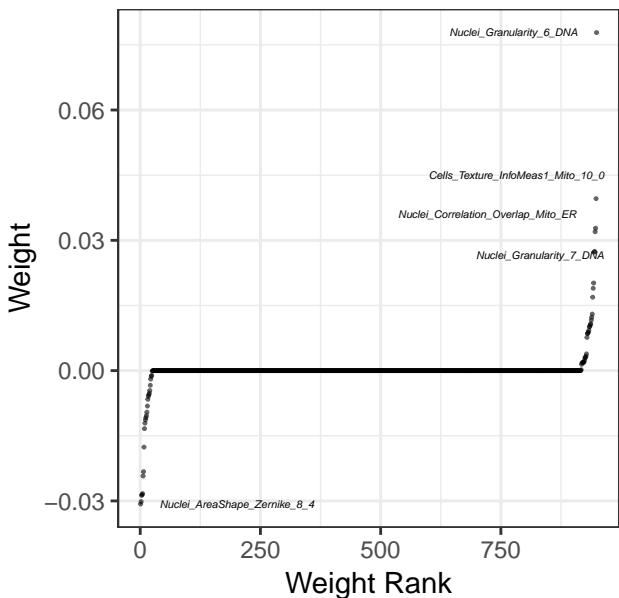


# Performance: cc\_mitosis\_n\_objects

Transform: raw

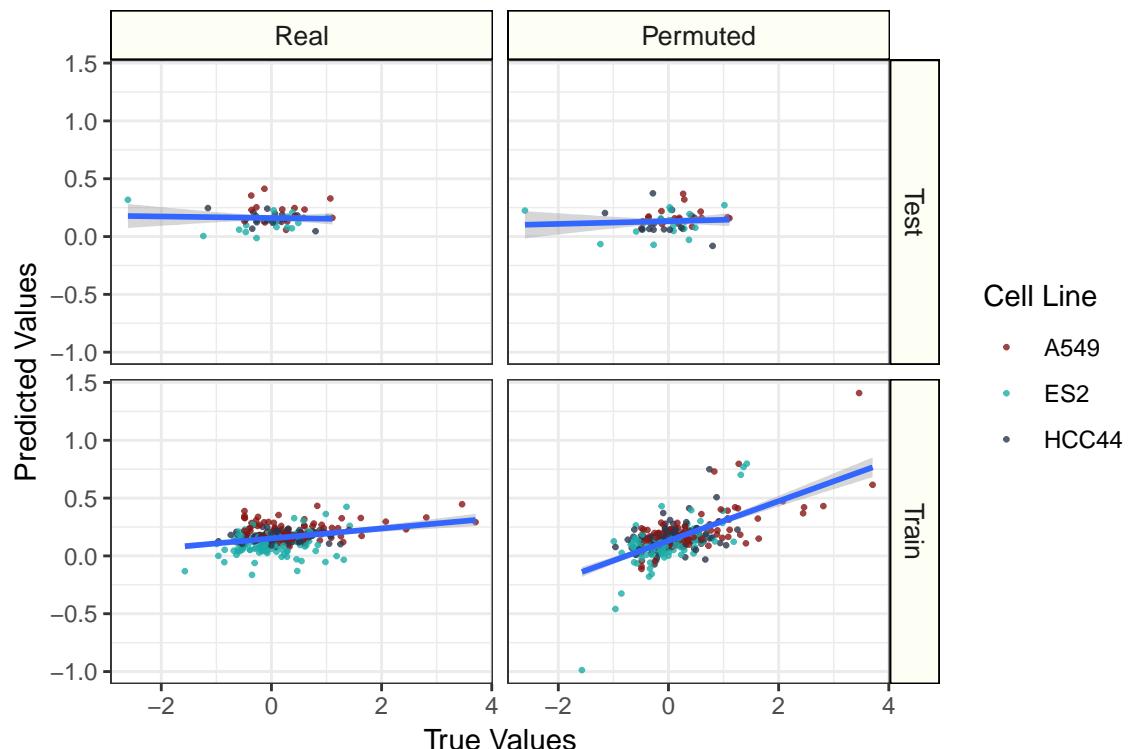


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.53  | 0.26  |
| Test  | Real    | raw       | 0.49  | 0.33  |
| Train | Shuffle | raw       | 0.30  | 0.39  |
| Test  | Shuffle | raw       | -0.11 | 0.72  |

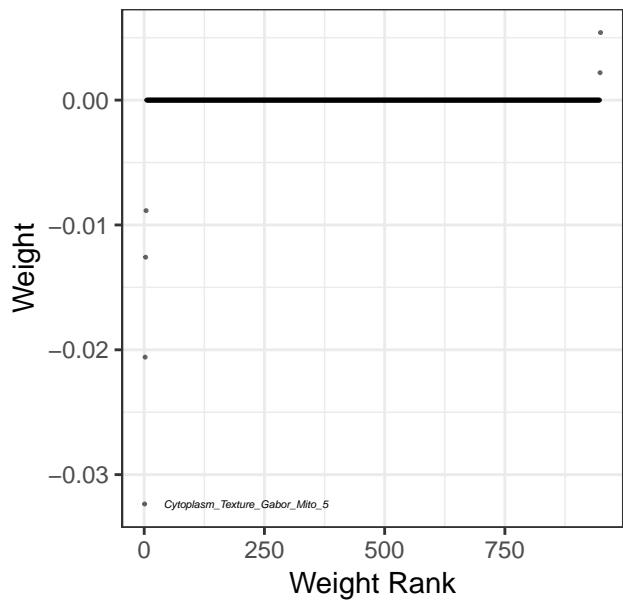


# Performance: cc\_mitosis\_n\_spots\_h2ax\_mean

Transform: raw

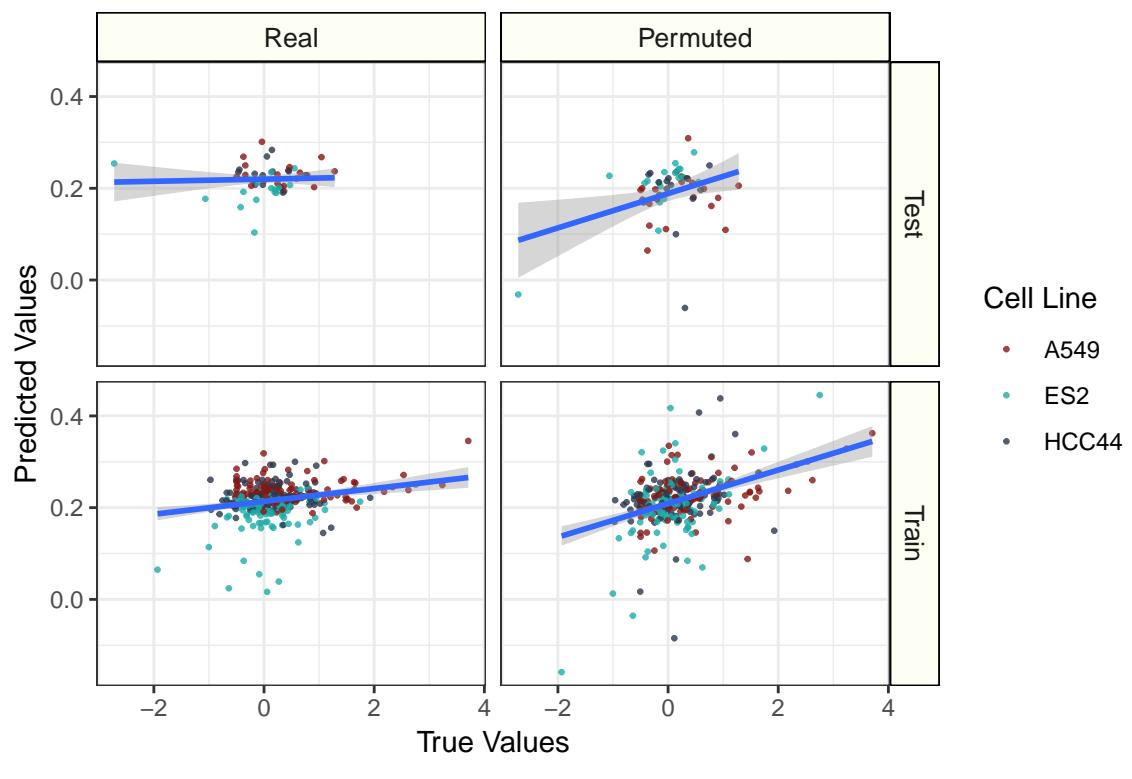


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.07  | 0.39  |
| Test  | Real    | raw       | -0.12 | 0.38  |
| Train | Shuffle | raw       | 0.27  | 0.30  |
| Test  | Shuffle | raw       | -0.07 | 0.37  |

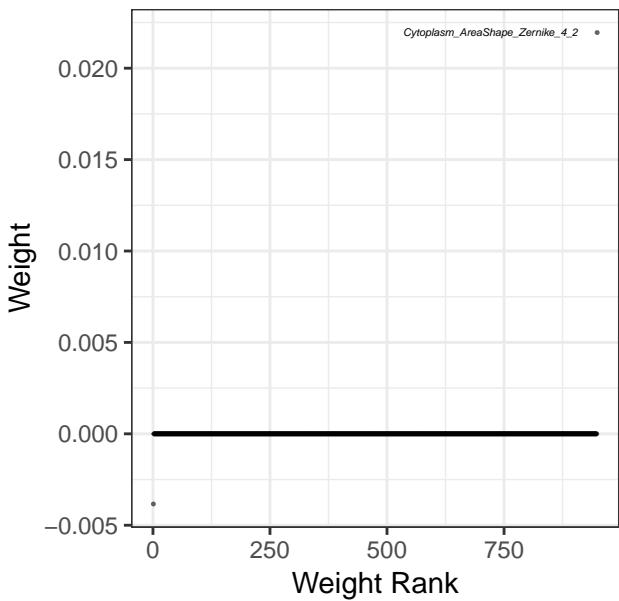


# Performance: cc\_mitosis\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

Transform: raw

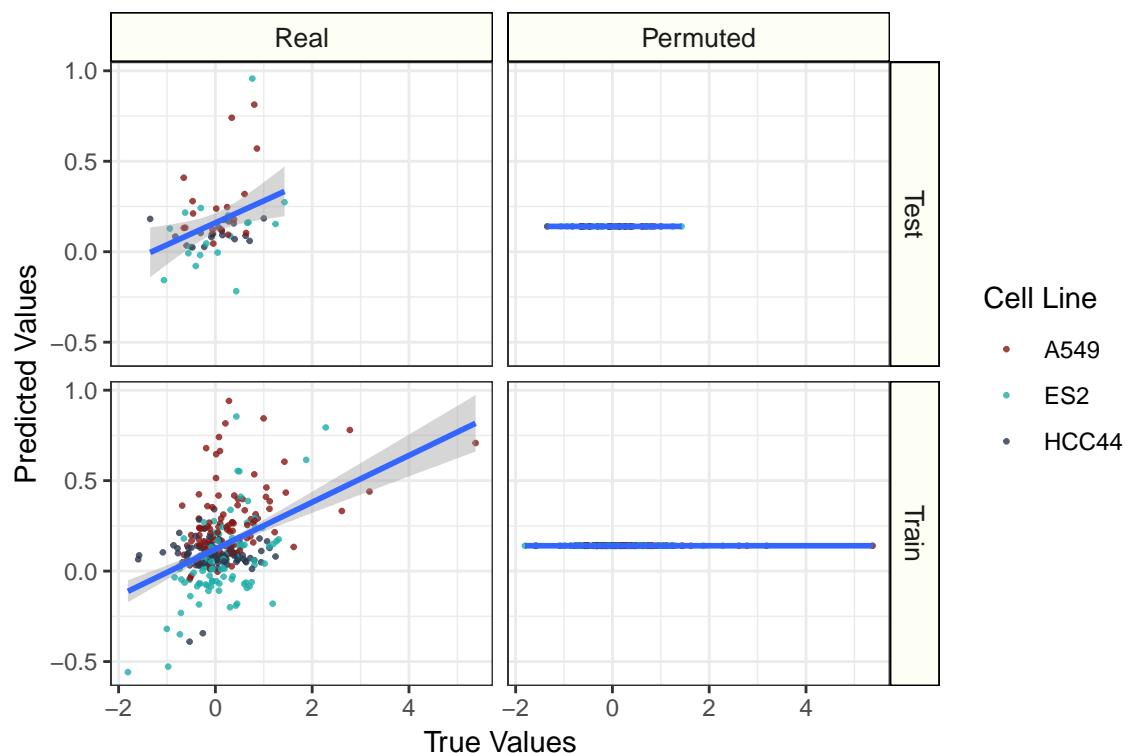


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.02  | 0.44  |
| Test  | Real    | raw       | -0.10 | 0.37  |
| Train | Shuffle | raw       | 0.06  | 0.42  |
| Test  | Shuffle | raw       | -0.01 | 0.34  |

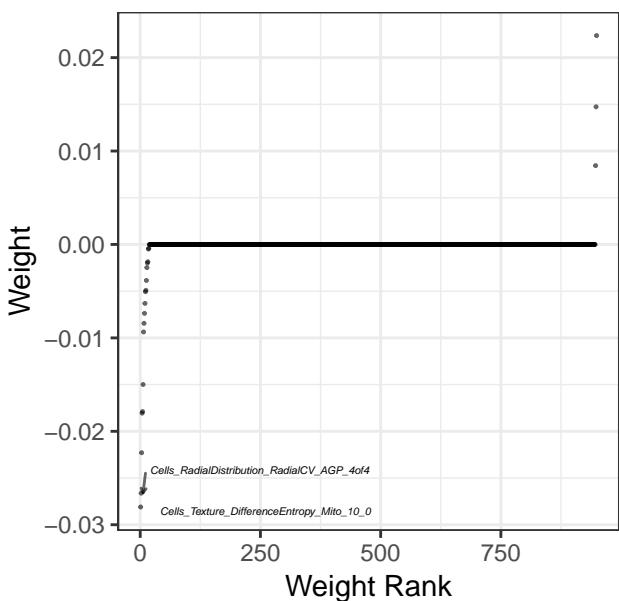


# Performance: cc\_polynuclear\_high\_h2ax

Transform: raw

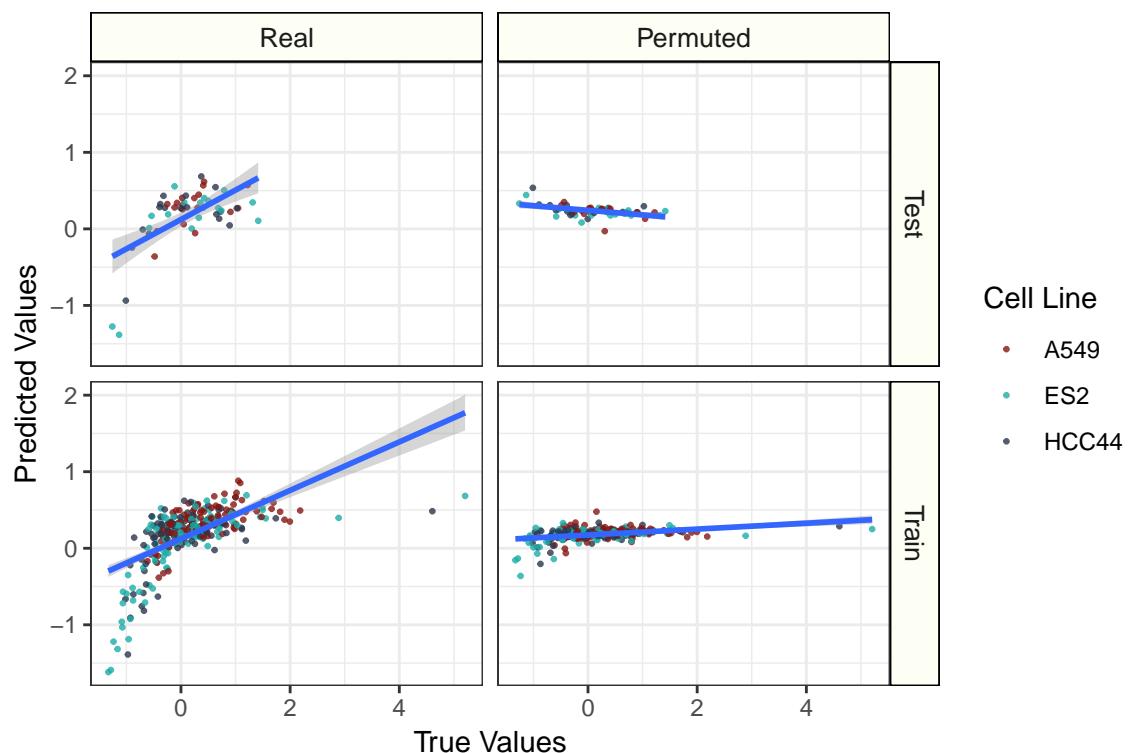


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.17  | 0.39  |
| Test  | Real    | raw       | 0.08  | 0.32  |
| Train | Shuffle | raw       | 0.00  | 0.47  |
| Test  | Shuffle | raw       | -0.03 | 0.35  |

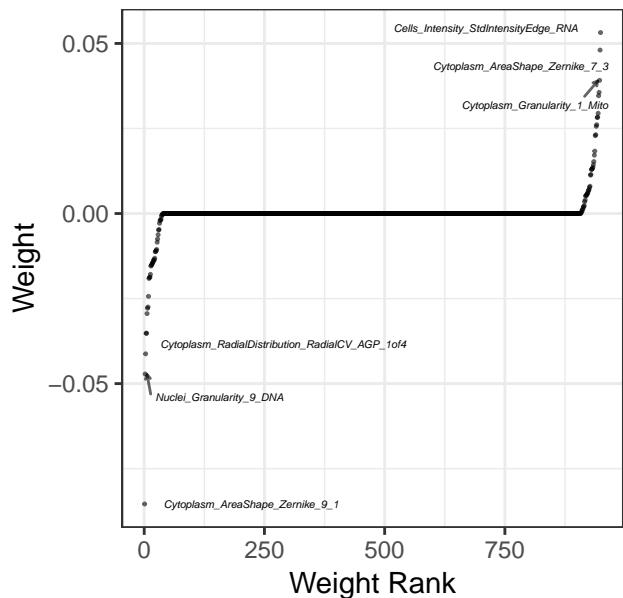


# Performance: cc\_polynuclear\_n\_objects

Transform: raw

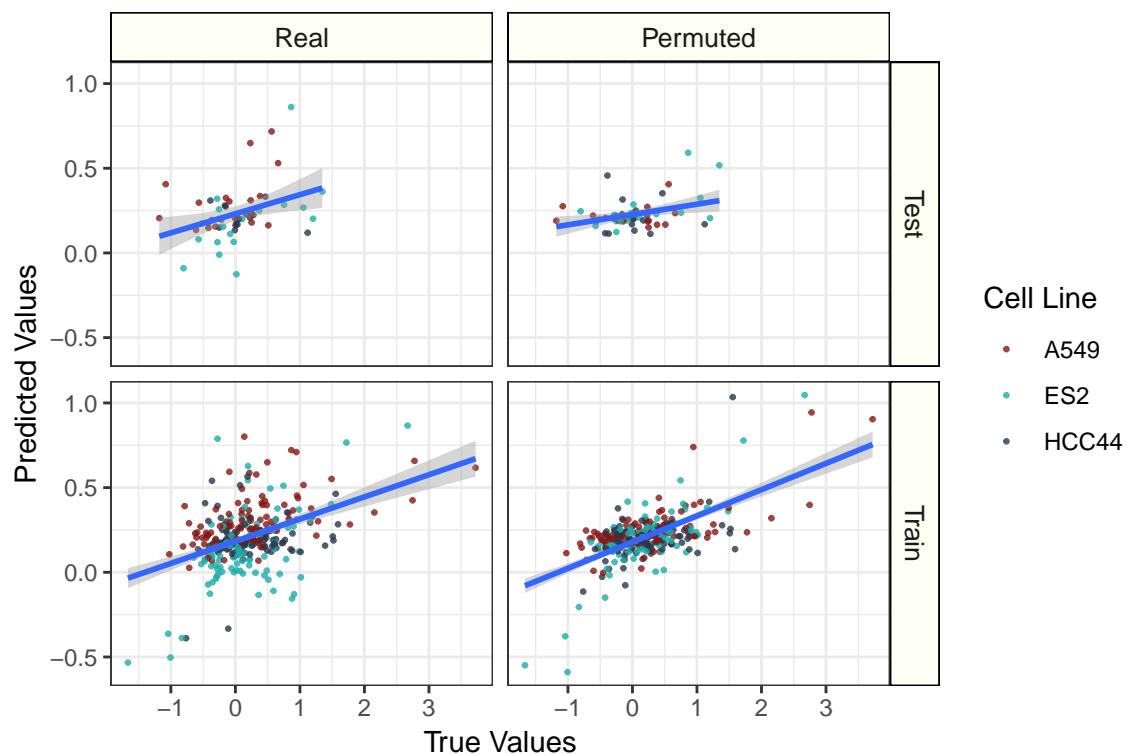


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.37  | 0.36  |
| Test  | Real    | raw       | 0.35  | 0.24  |
| Train | Shuffle | raw       | 0.07  | 0.54  |
| Test  | Shuffle | raw       | -0.16 | 0.43  |

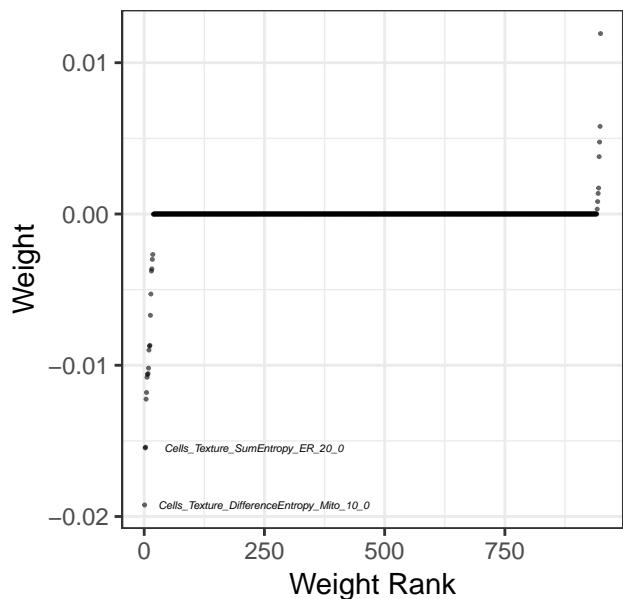


# Performance: cc\_polynuclear\_n\_spots\_h2ax\_mean

## Transform: raw

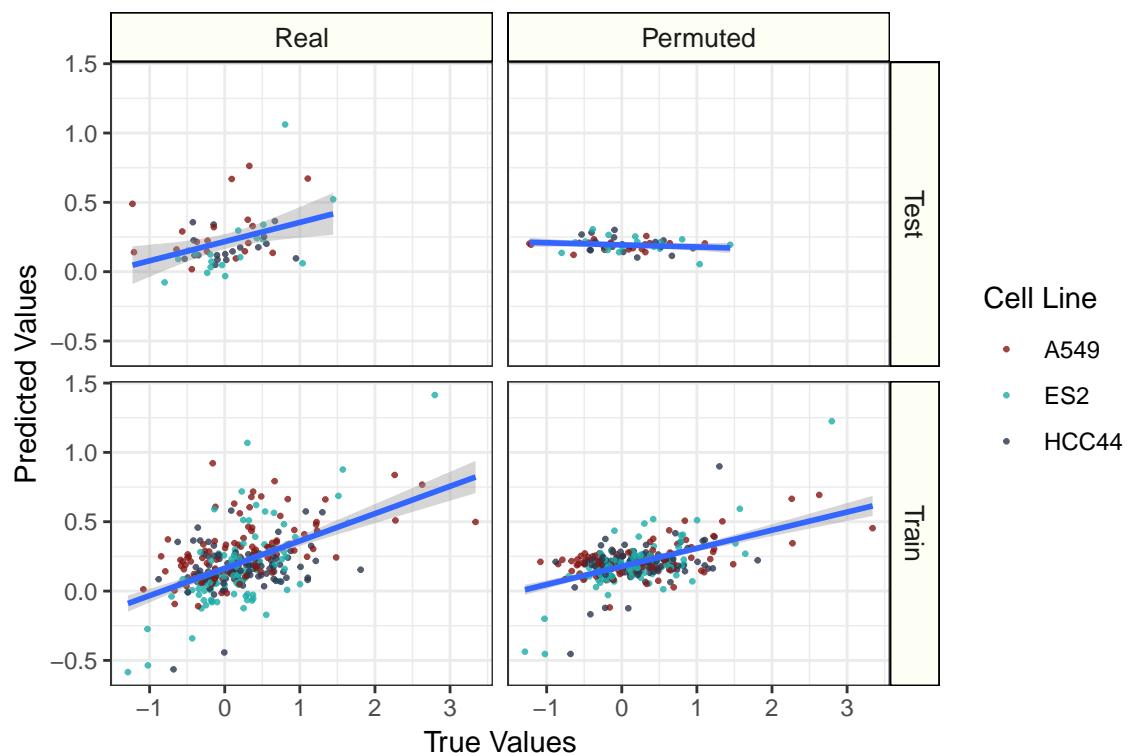


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.18  | 0.32  |
| Test  | Real    | raw       | -0.03 | 0.28  |
| Train | Shuffle | raw       | 0.25  | 0.29  |
| Test  | Shuffle | raw       | -0.06 | 0.28  |

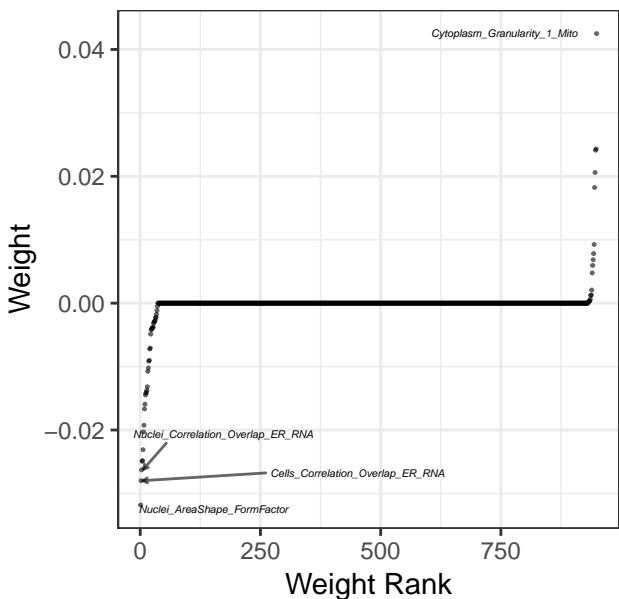


# Performance: cc\_polynuclear\_n\_spots\_h2ax\_per\_nucleus\_area

## Transform: raw

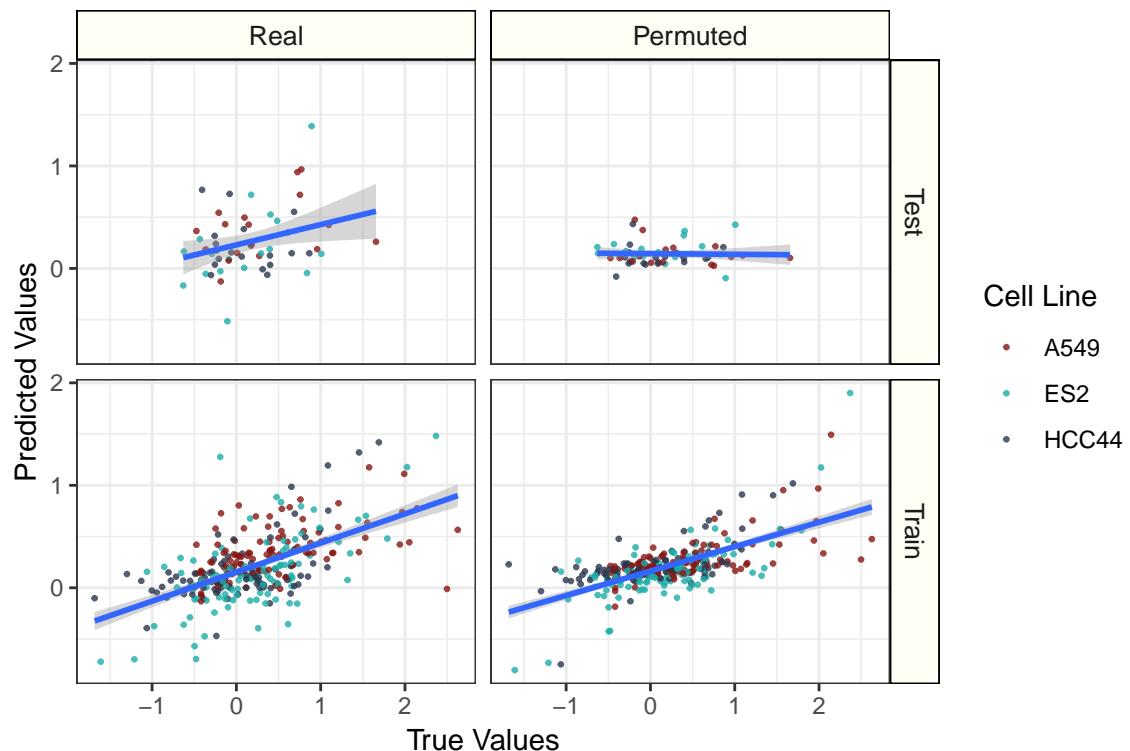


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.25  | 0.27  |
| Test  | Real    | raw       | 0.00  | 0.29  |
| Train | Shuffle | raw       | 0.20  | 0.29  |
| Test  | Shuffle | raw       | -0.13 | 0.33  |

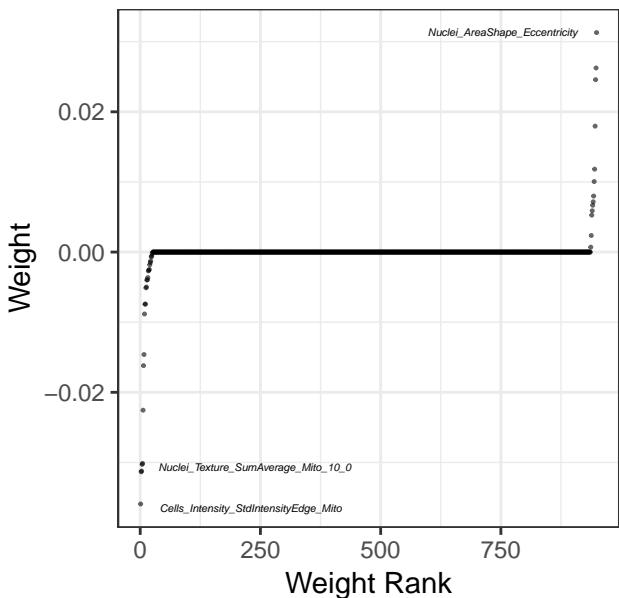


# Performance: cc\_polyplloid\_high\_h2ax

Transform: raw

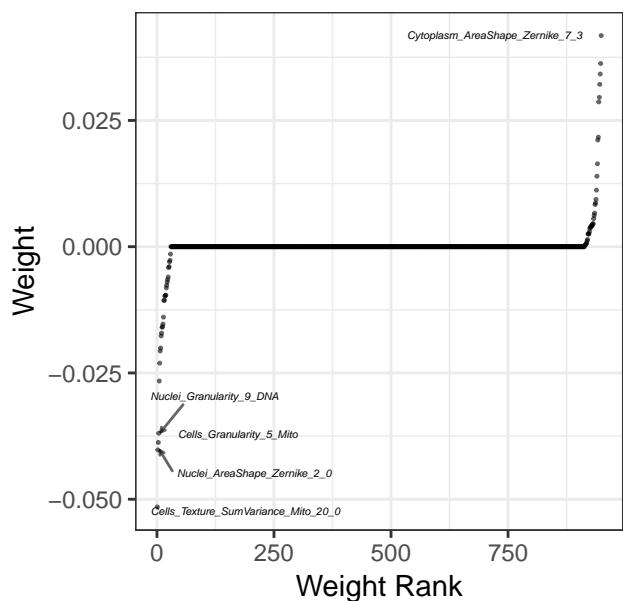
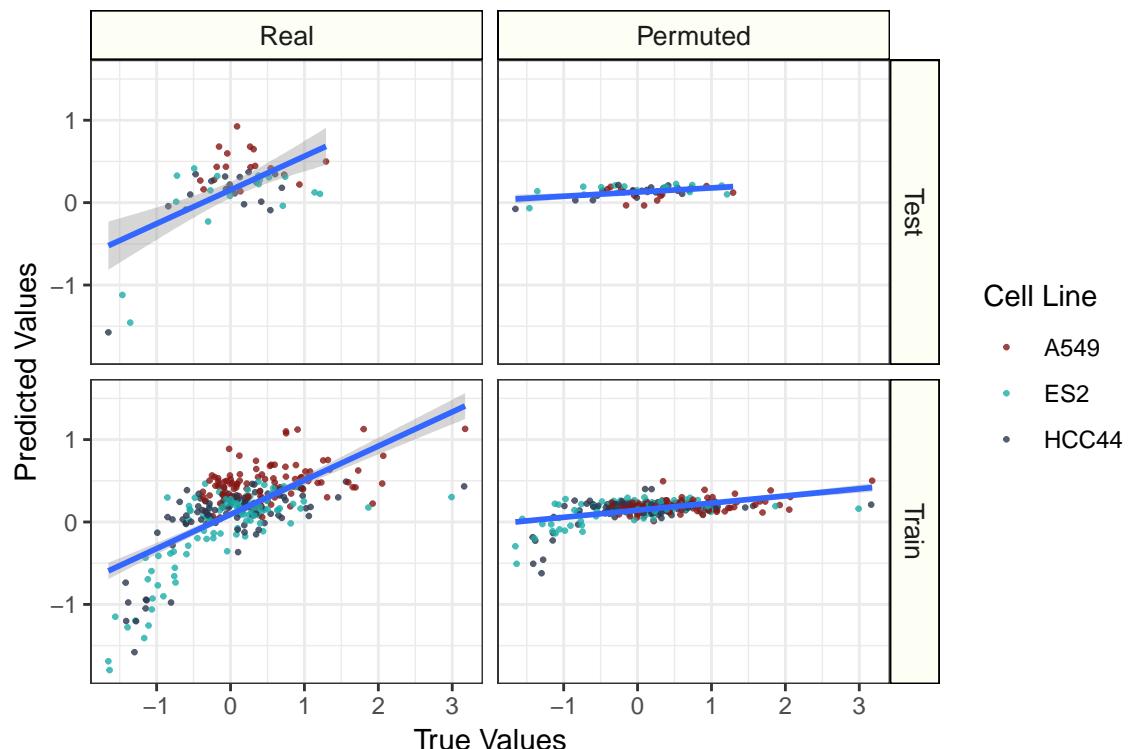


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.34  | 0.30  |
| Test  | Real    | raw       | -0.06 | 0.26  |
| Train | Shuffle | raw       | 0.34  | 0.30  |
| Test  | Shuffle | raw       | -0.07 | 0.26  |



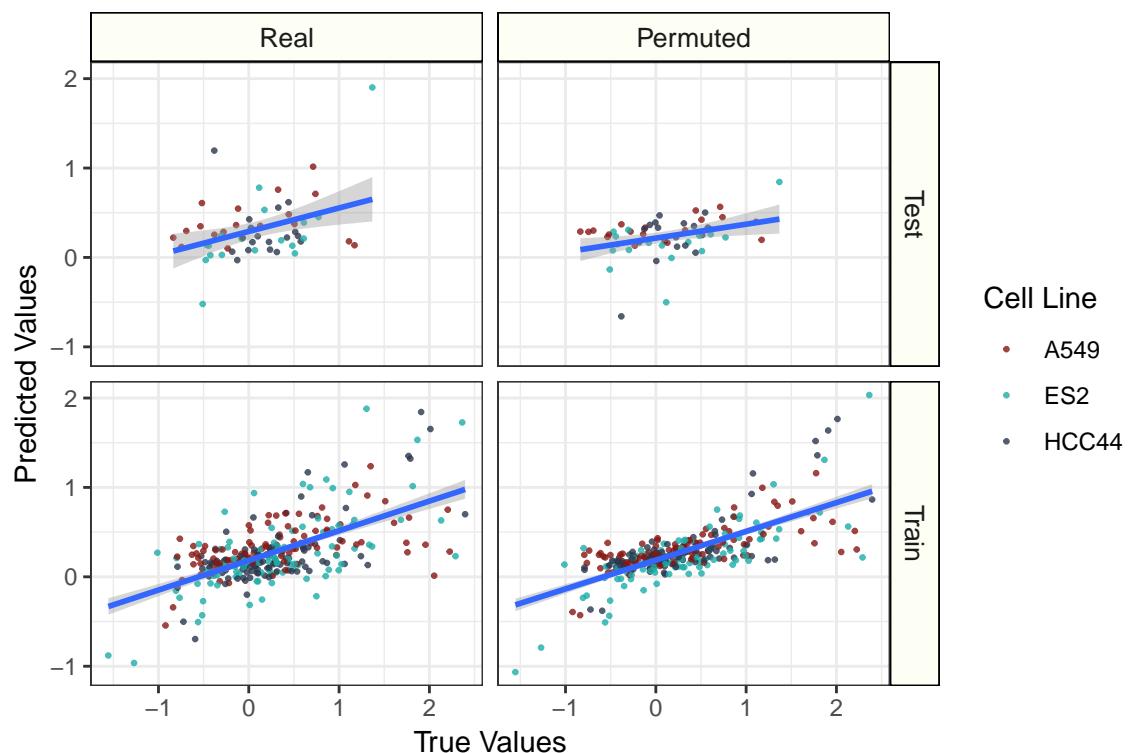
# Performance: cc\_polyplloid\_n\_objects

Transform: raw

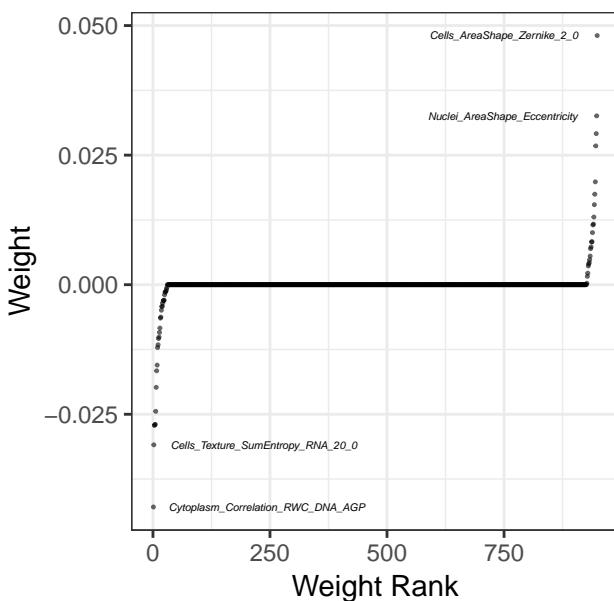


# Performance: cc\_polyplloid\_n\_spots\_h2ax\_mean

Transform: raw

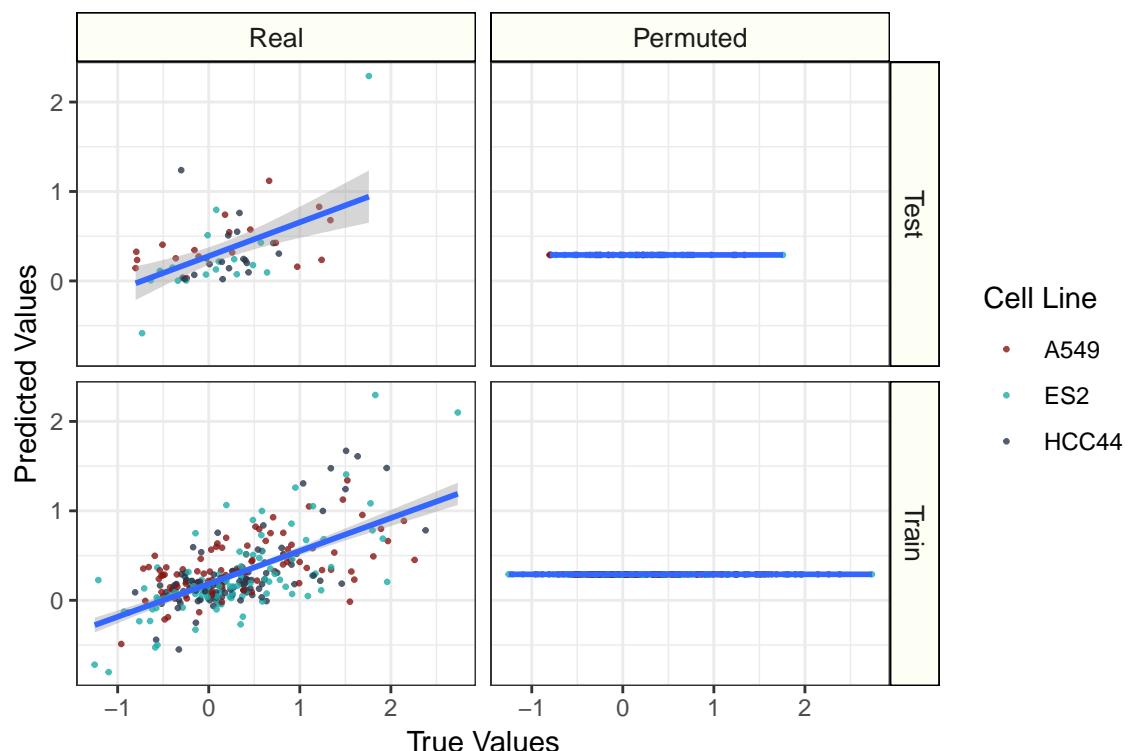


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.38  | 0.29  |
| Test  | Real    | raw       | -0.16 | 0.28  |
| Train | Shuffle | raw       | 0.44  | 0.26  |
| Test  | Shuffle | raw       | 0.03  | 0.24  |

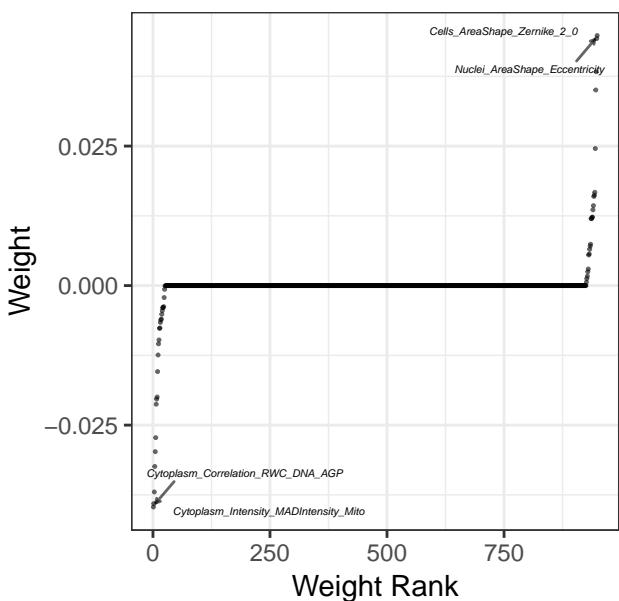


# Performance: cc\_polyplloid\_n\_spots\_h2ax\_per\_nucleus\_area\_m

Transform: raw

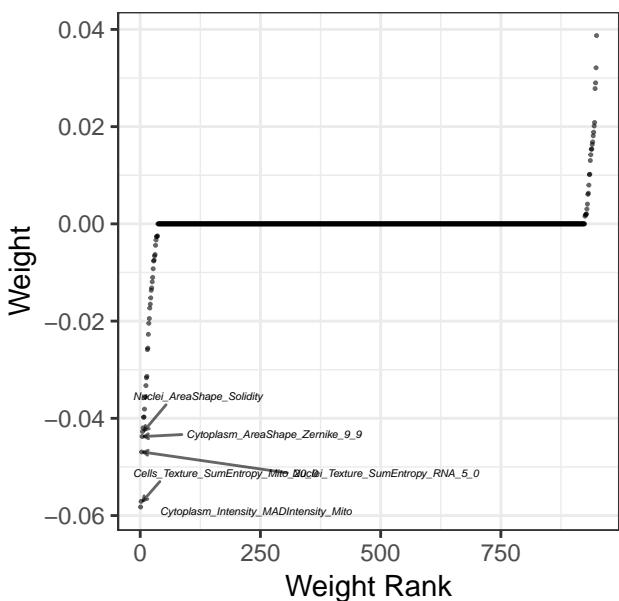
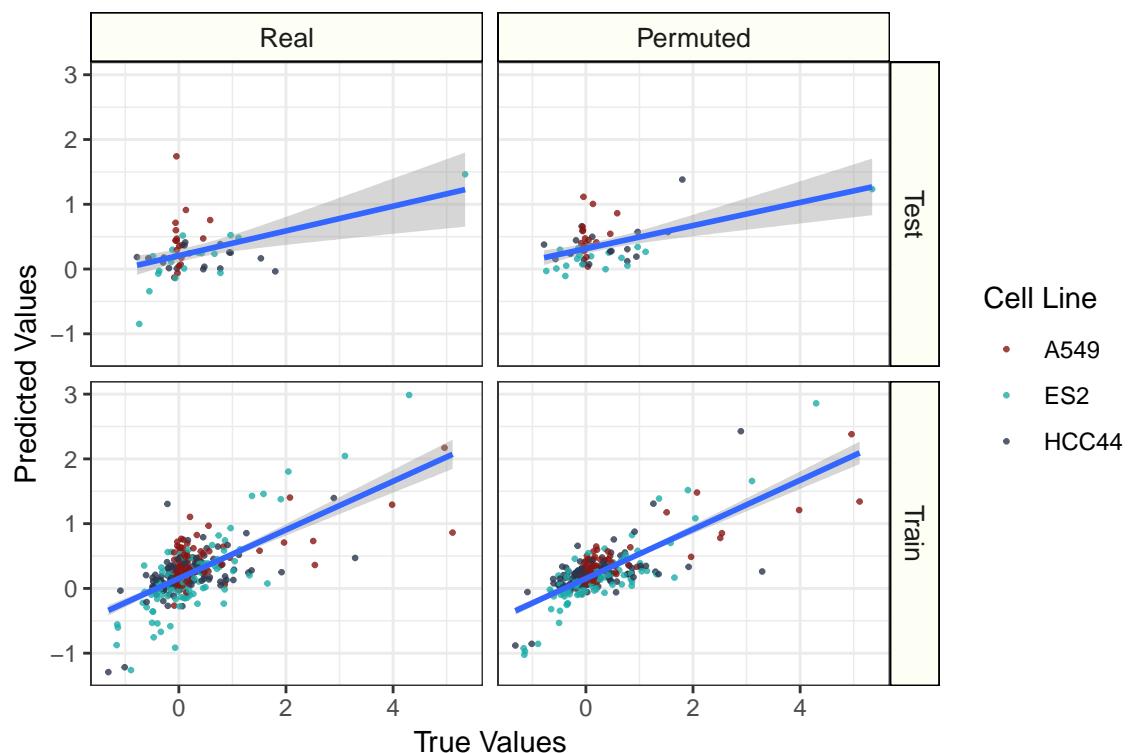


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.41  | 0.27  |
| Test  | Real    | raw       | 0.12  | 0.27  |
| Train | Shuffle | raw       | 0.00  | 0.46  |
| Test  | Shuffle | raw       | -0.07 | 0.33  |



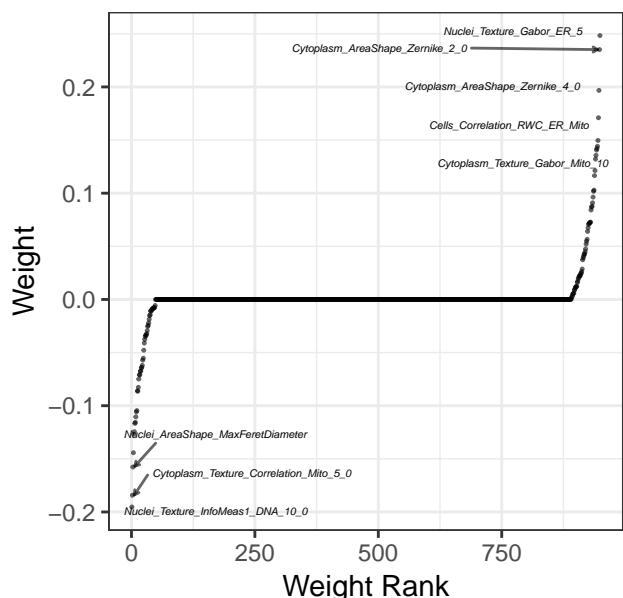
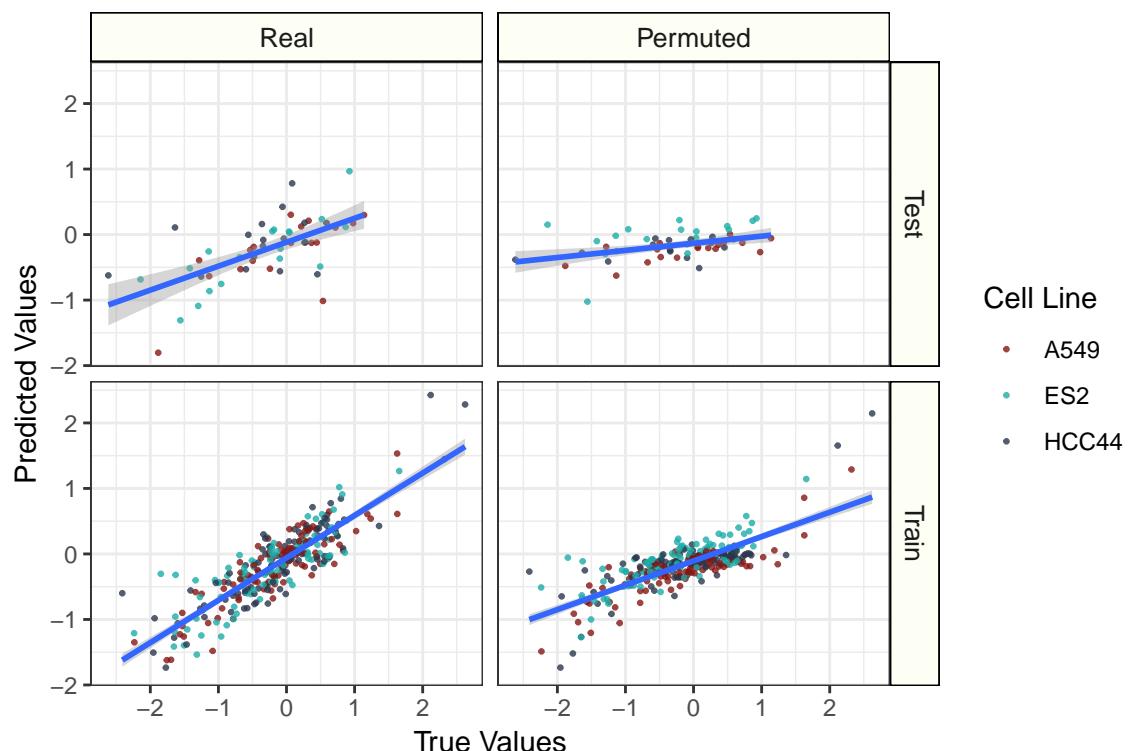
# Performance: cc\_s\_high\_h2ax

Transform: raw



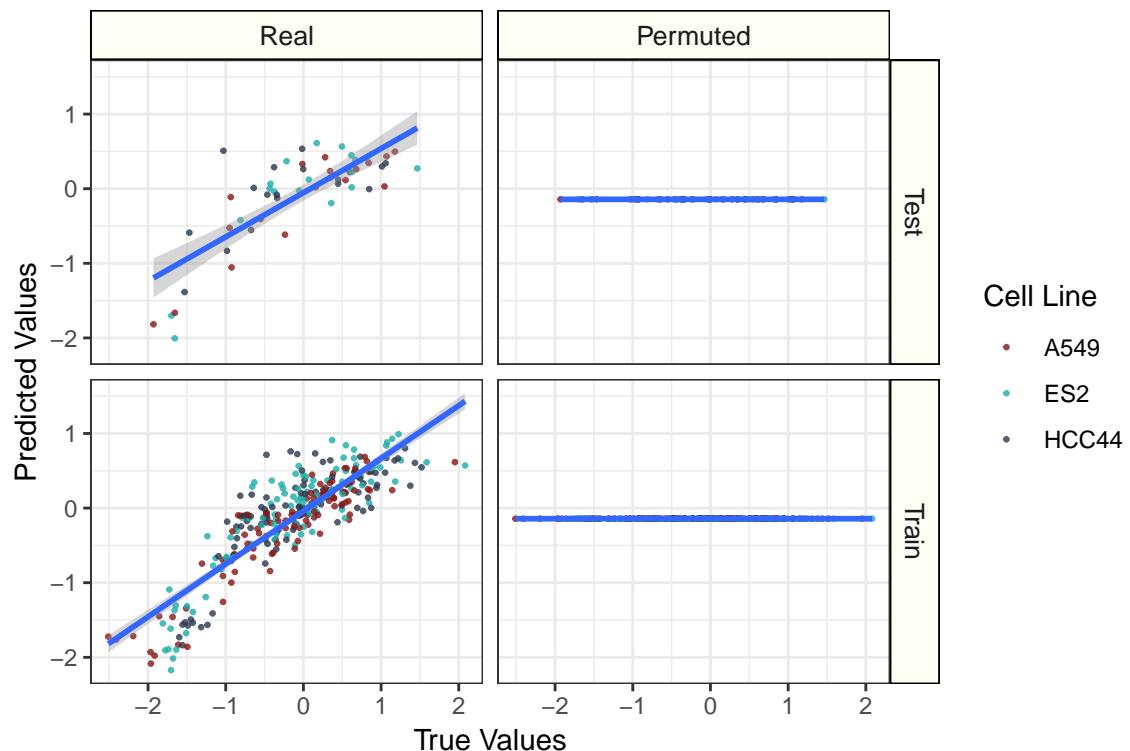
# Performance: cc\_s\_intensity\_nucleus\_area\_mean

## Transform: raw

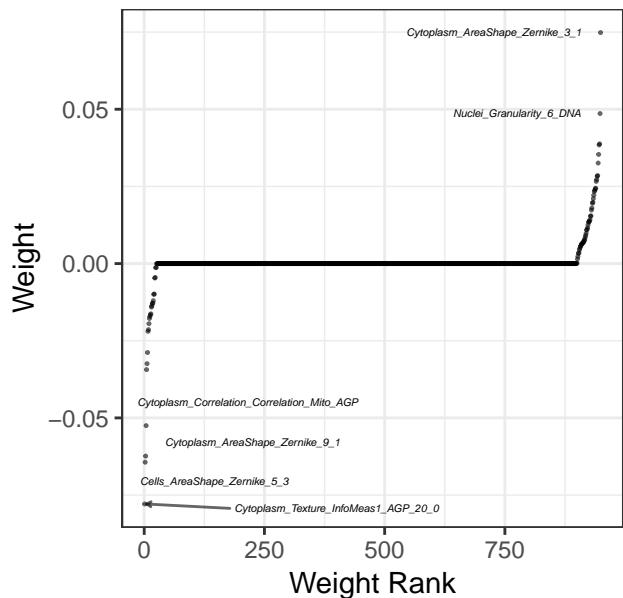


# Performance: cc\_s\_intensity\_nucleus\_area\_sum

Transform: raw

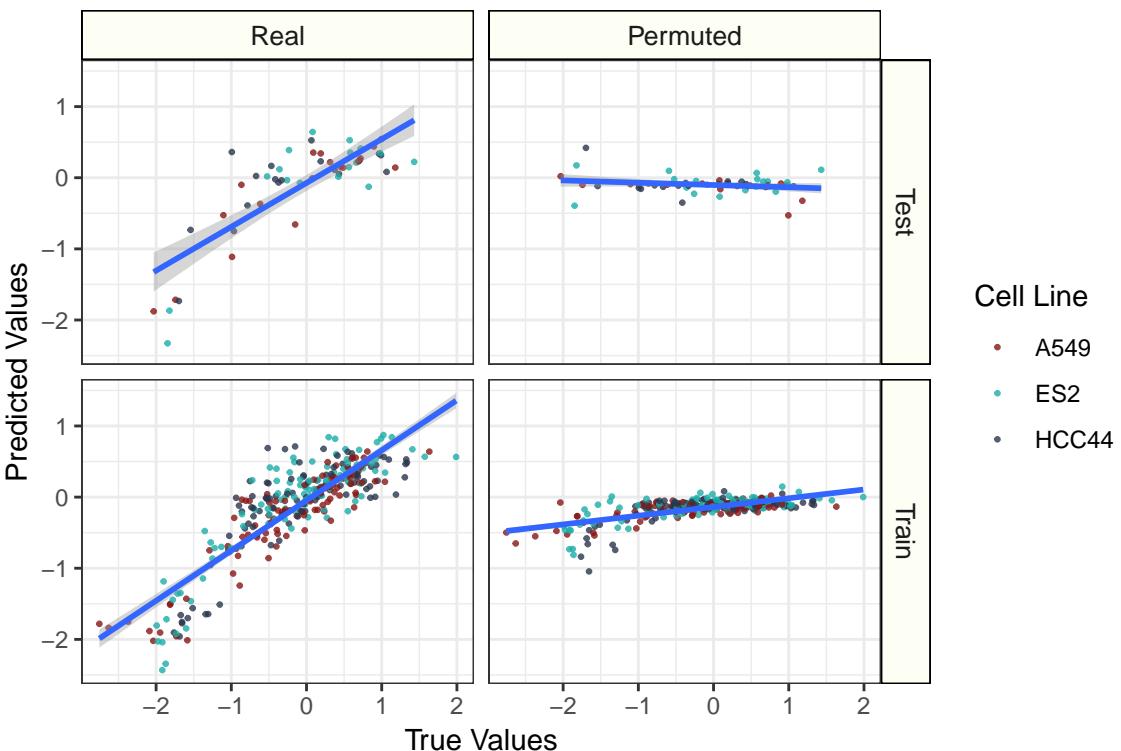


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.75  | 0.17  |
| Test  | Real    | raw       | 0.62  | 0.27  |
| Train | Shuffle | raw       | 0.00  | 0.68  |
| Test  | Shuffle | raw       | -0.01 | 0.71  |

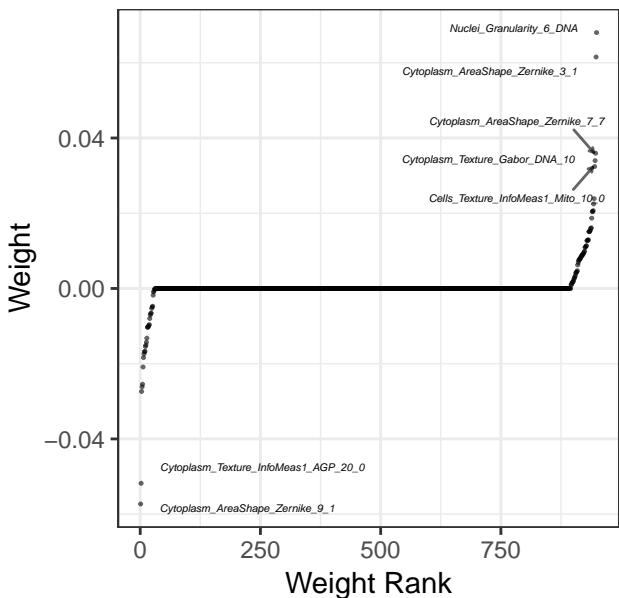


# Performance: cc\_s\_n\_objects

Transform: raw

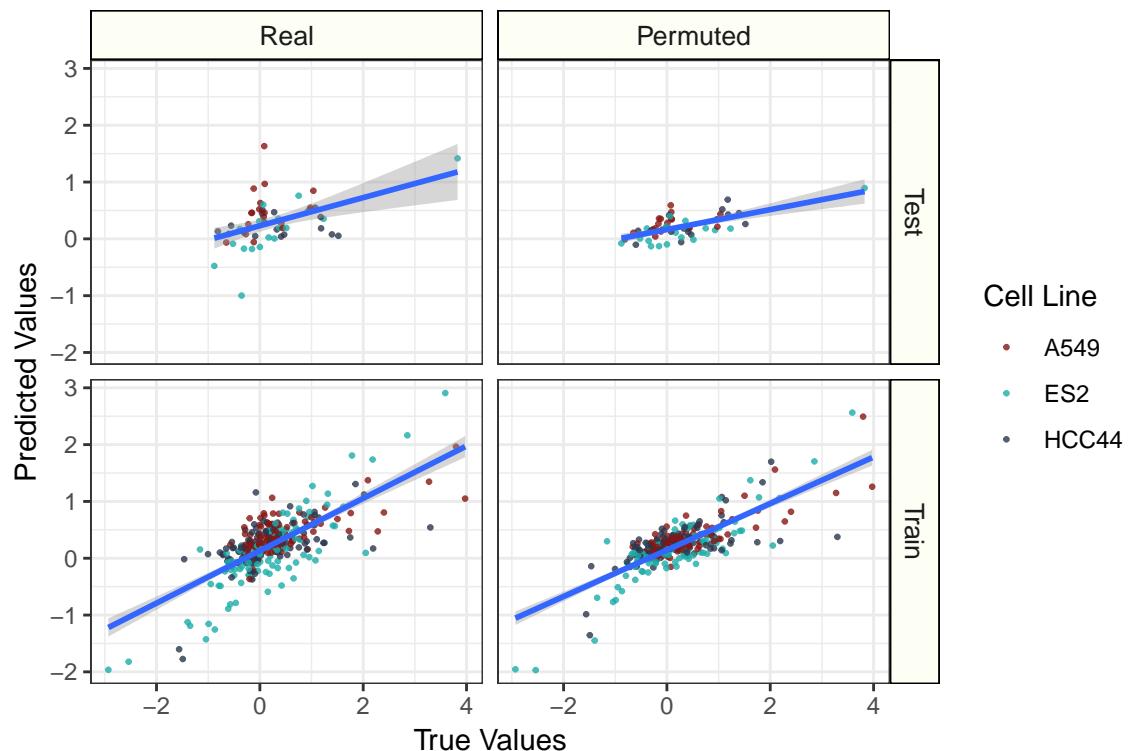


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.74  | 0.18  |
| Test  | Real    | raw       | 0.64  | 0.28  |
| Train | Shuffle | raw       | 0.21  | 0.56  |
| Test  | Shuffle | raw       | -0.09 | 0.83  |

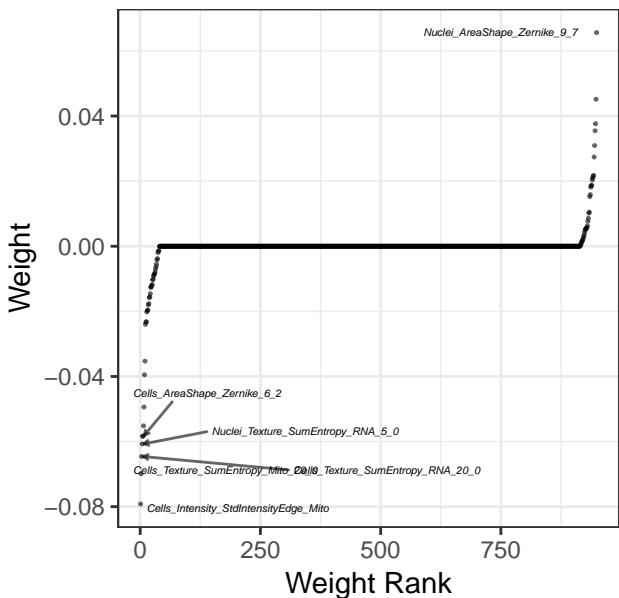


# Performance: cc\_s\_n\_spots\_h2ax\_mean

Transform: raw

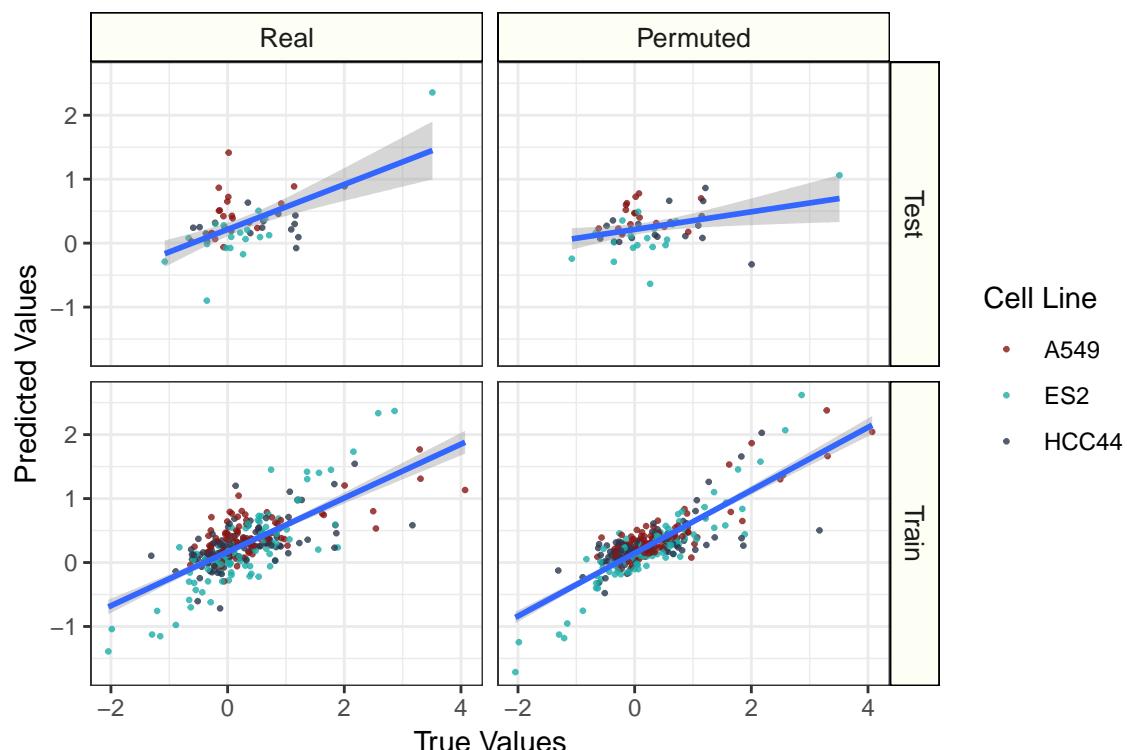


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.52 | 0.33  |
| Test  | Real    | raw       | 0.20 | 0.45  |
| Train | Shuffle | raw       | 0.55 | 0.32  |
| Test  | Shuffle | raw       | 0.27 | 0.41  |

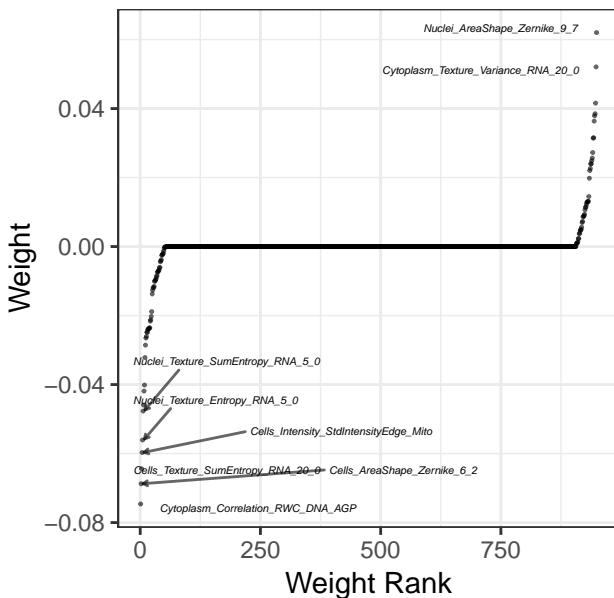


# Performance: cc\_s\_n\_spots\_h2ax\_per\_nucleus\_area\_mean

## Transform: raw

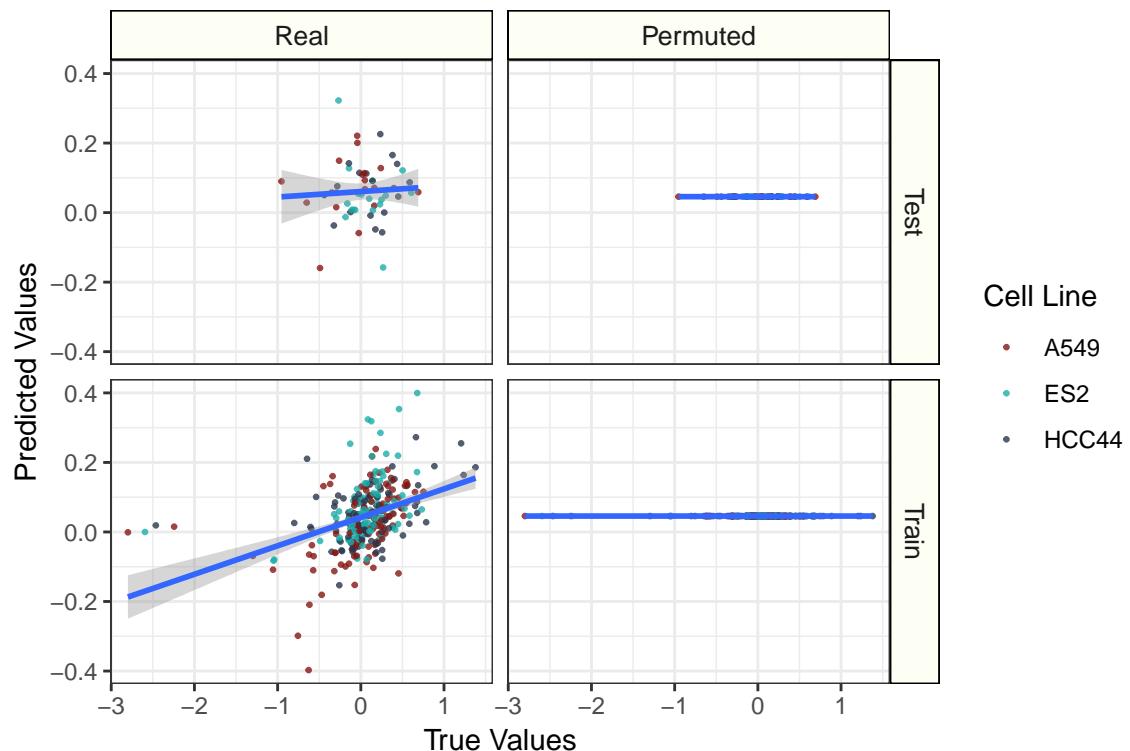


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.50 | 0.30  |
| Test  | Real    | raw       | 0.34 | 0.35  |
| Train | Shuffle | raw       | 0.64 | 0.22  |
| Test  | Shuffle | raw       | 0.10 | 0.48  |

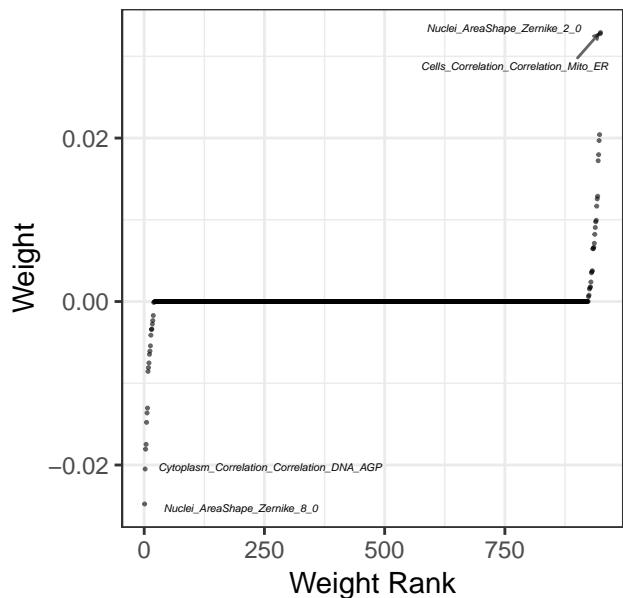


# Performance: vb\_infection\_percentage

Transform: raw

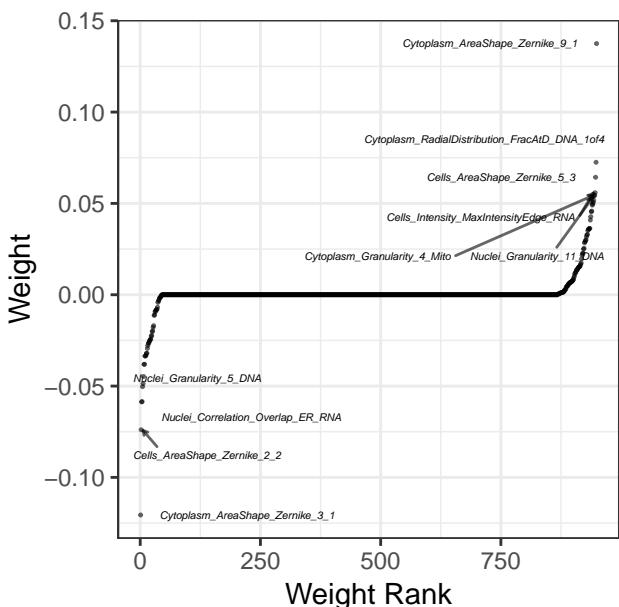
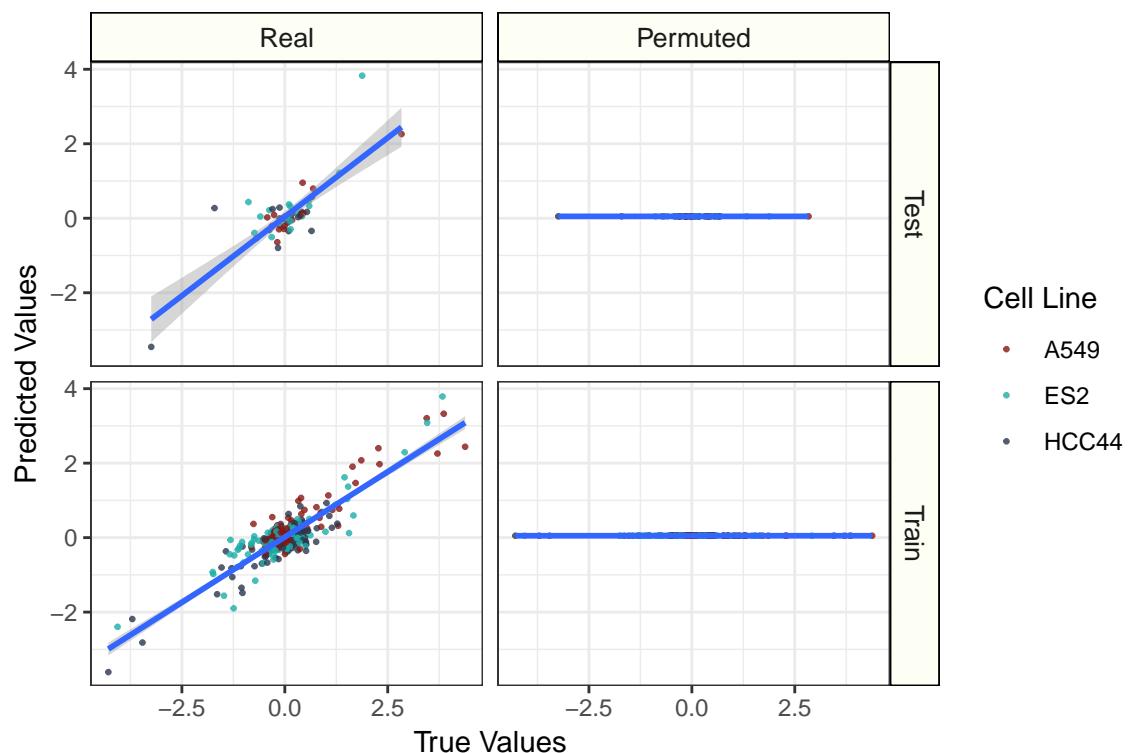


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.12  | 0.18  |
| Test  | Real    | raw       | -0.05 | 0.10  |
| Train | Shuffle | raw       | 0.00  | 0.20  |
| Test  | Shuffle | raw       | 0.00  | 0.10  |



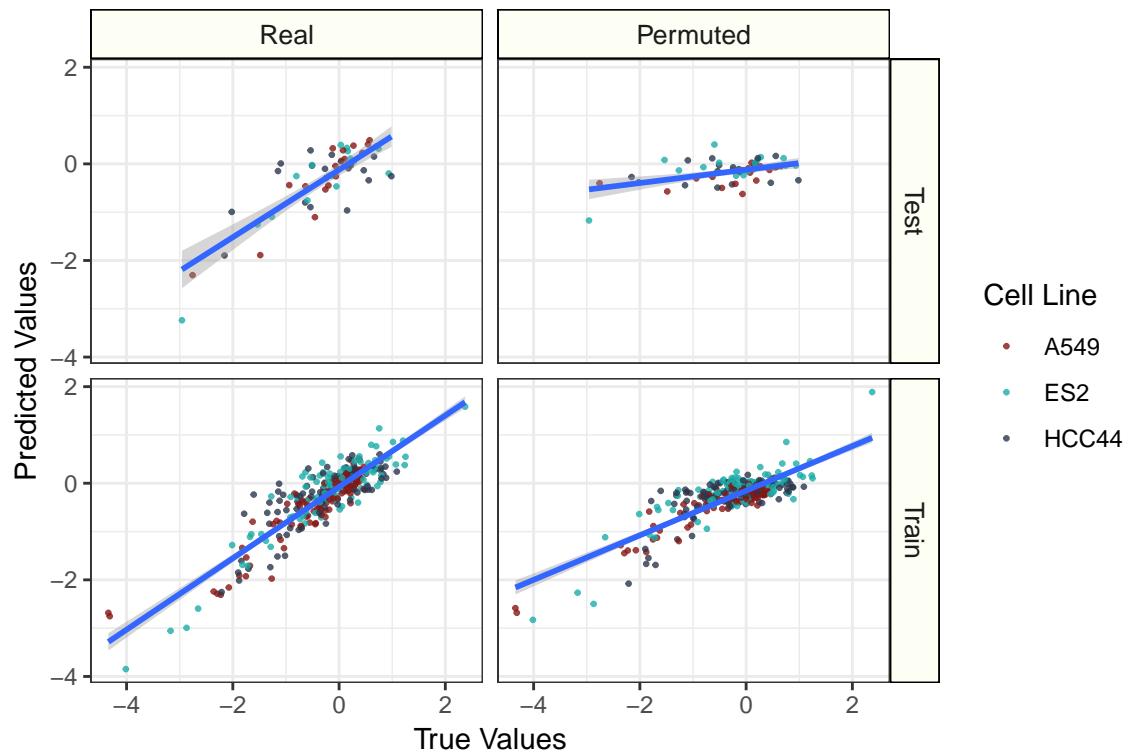
# Performance: vb\_live\_cell\_area

Transform: raw

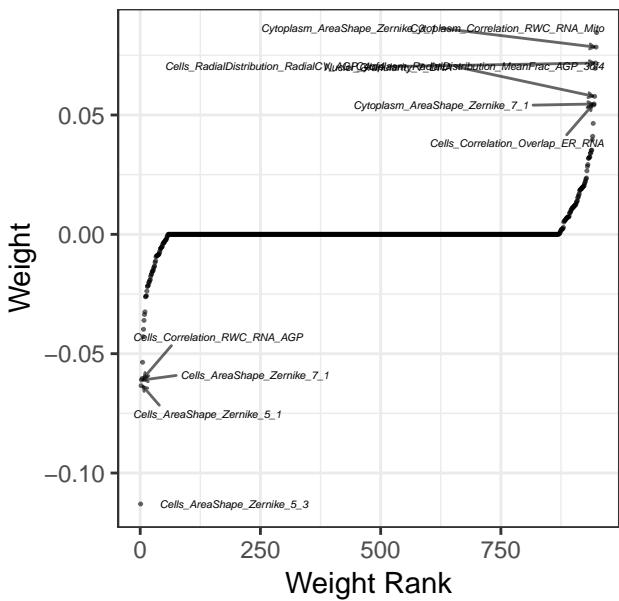


## Performance: vb\_live\_cell\_roundness

## Transform: raw

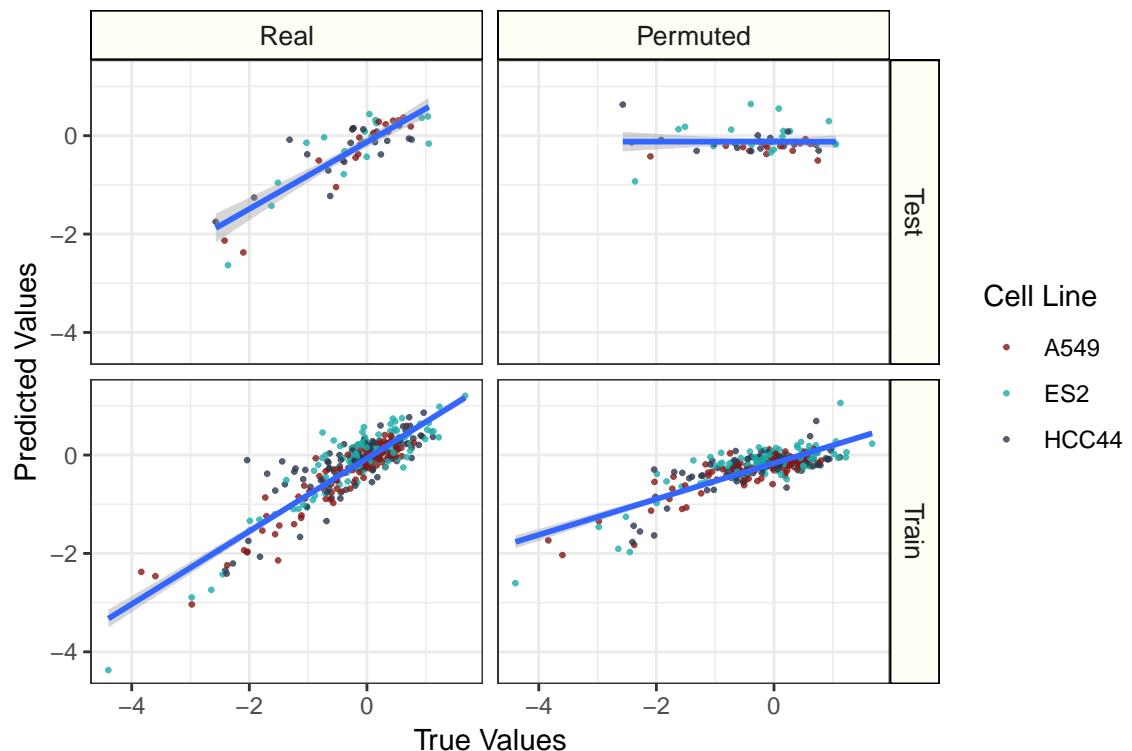


| <b>fit</b> | <b>shuffle</b> | <b>transform</b> | <b>r2</b> | <b>value</b> |
|------------|----------------|------------------|-----------|--------------|
| Train      | Real           | raw              | 0.79      | 0.16         |
| Test       | Real           | raw              | 0.66      | 0.24         |
| Train      | Shuffle        | raw              | 0.61      | 0.29         |
| Test       | Shuffle        | raw              | 0.17      | 0.60         |

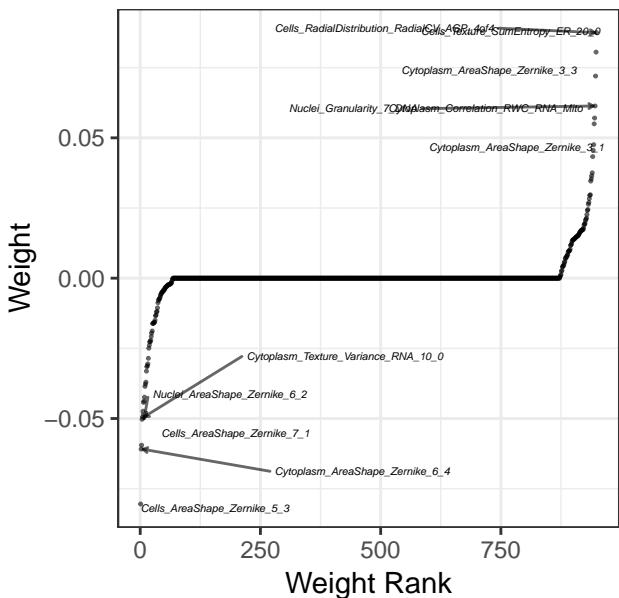


# Performance: vb\_live\_cell\_width\_length

Transform: raw

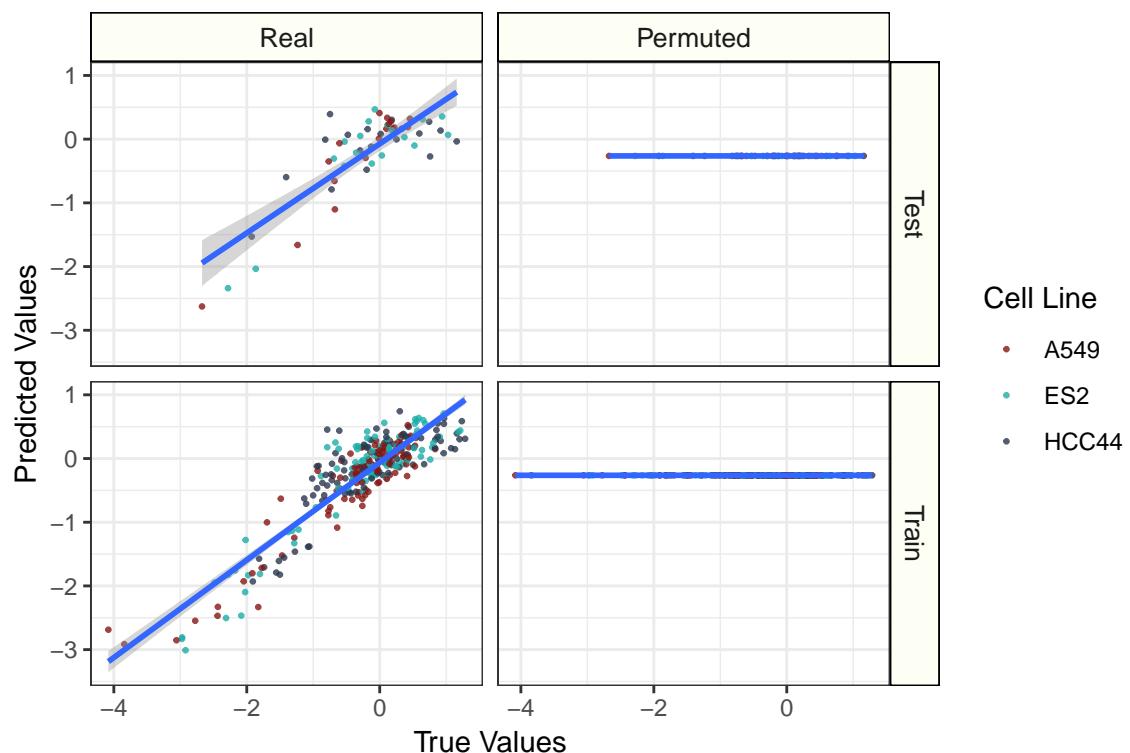


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.79  | 0.16  |
| Test  | Real    | raw       | 0.71  | 0.22  |
| Train | Shuffle | raw       | 0.52  | 0.37  |
| Test  | Shuffle | raw       | -0.12 | 0.84  |

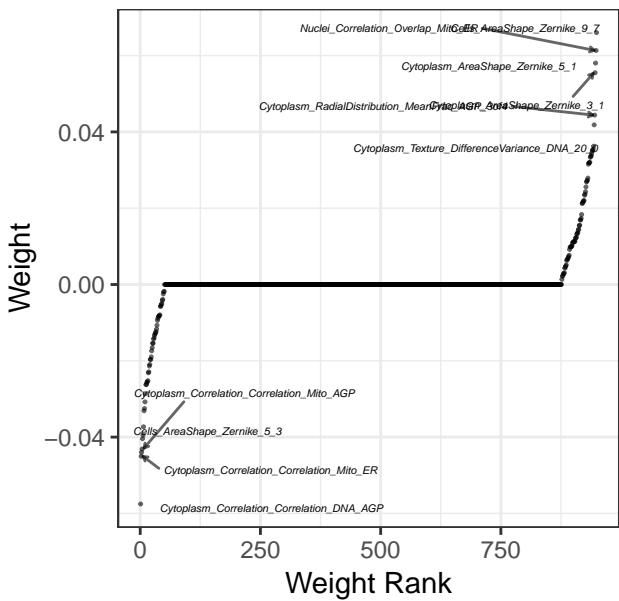


# Performance: vb\_num\_live\_cells

Transform: raw

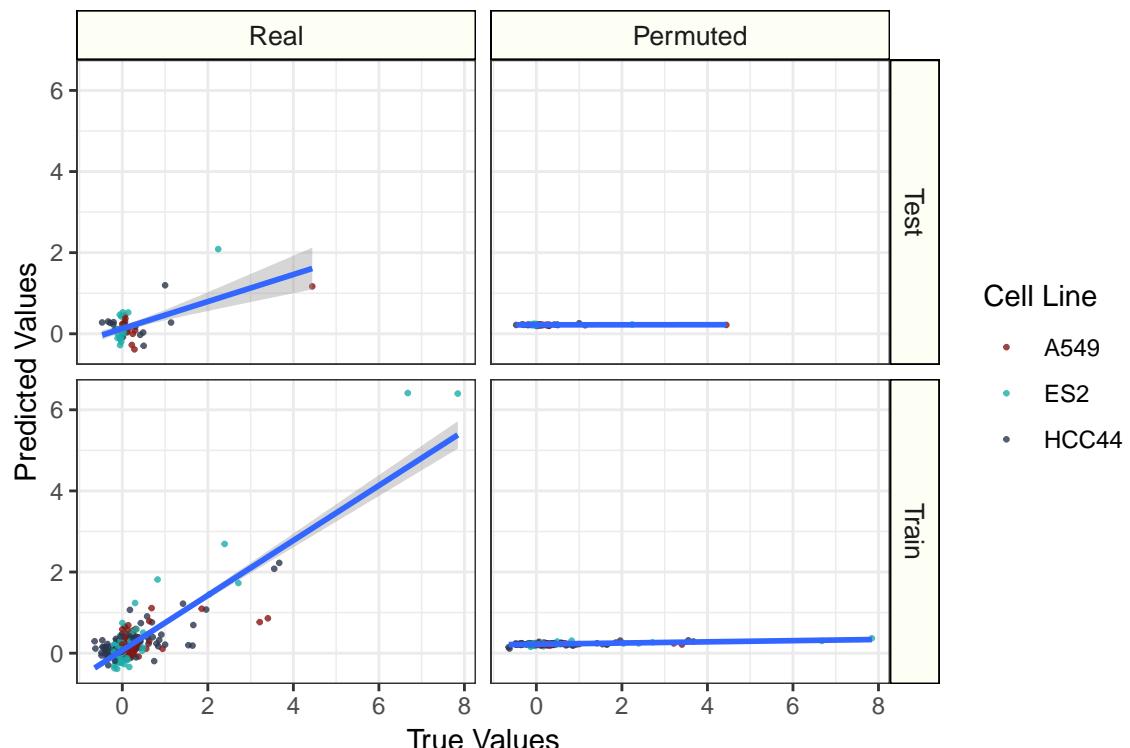


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.81  | 0.14  |
| Test  | Real    | raw       | 0.67  | 0.21  |
| Train | Shuffle | raw       | 0.00  | 0.75  |
| Test  | Shuffle | raw       | -0.01 | 0.63  |

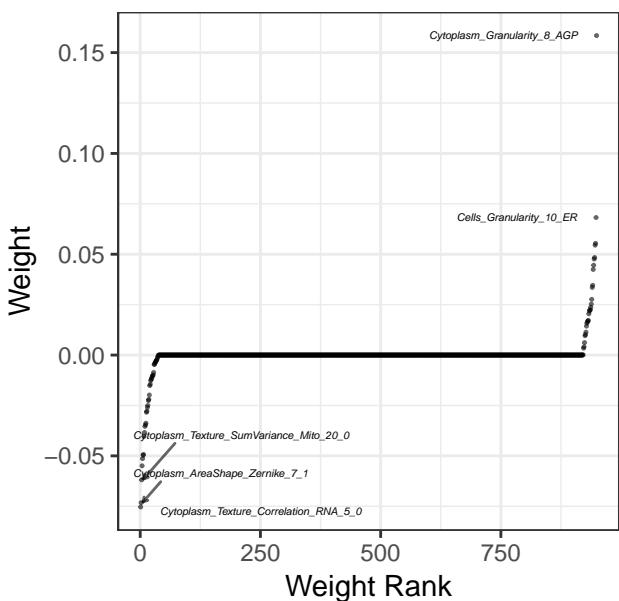


# Performance: vb\_percent\_all\_apoptosis

Transform: raw

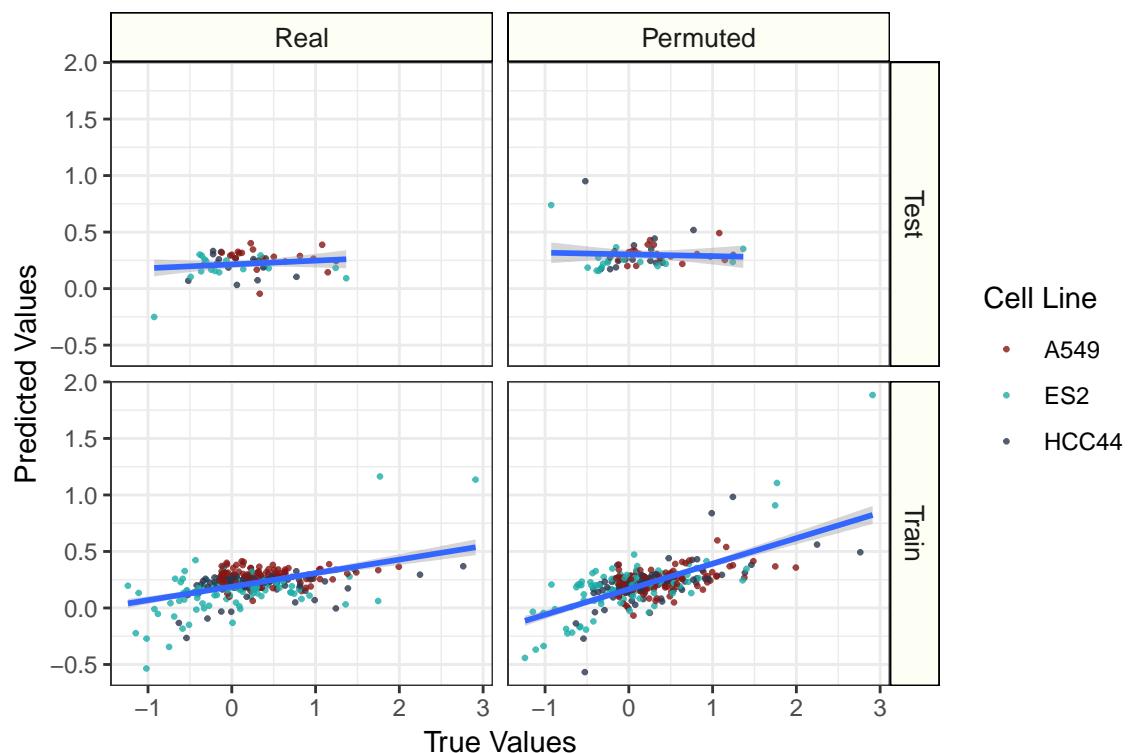


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.74 | 0.16  |
| Test  | Real    | raw       | 0.37 | 0.31  |
| Train | Shuffle | raw       | 0.03 | 0.62  |
| Test  | Shuffle | raw       | 0.00 | 0.50  |

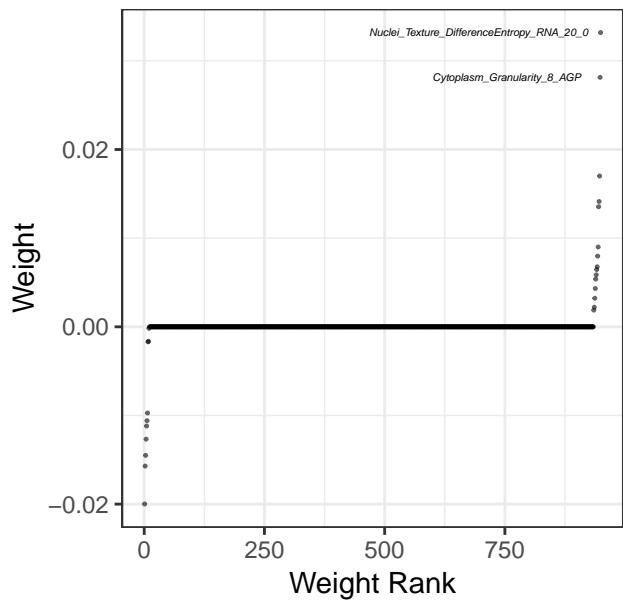


# Performance: vb\_percent\_caspase\_dead\_only

## Transform: raw

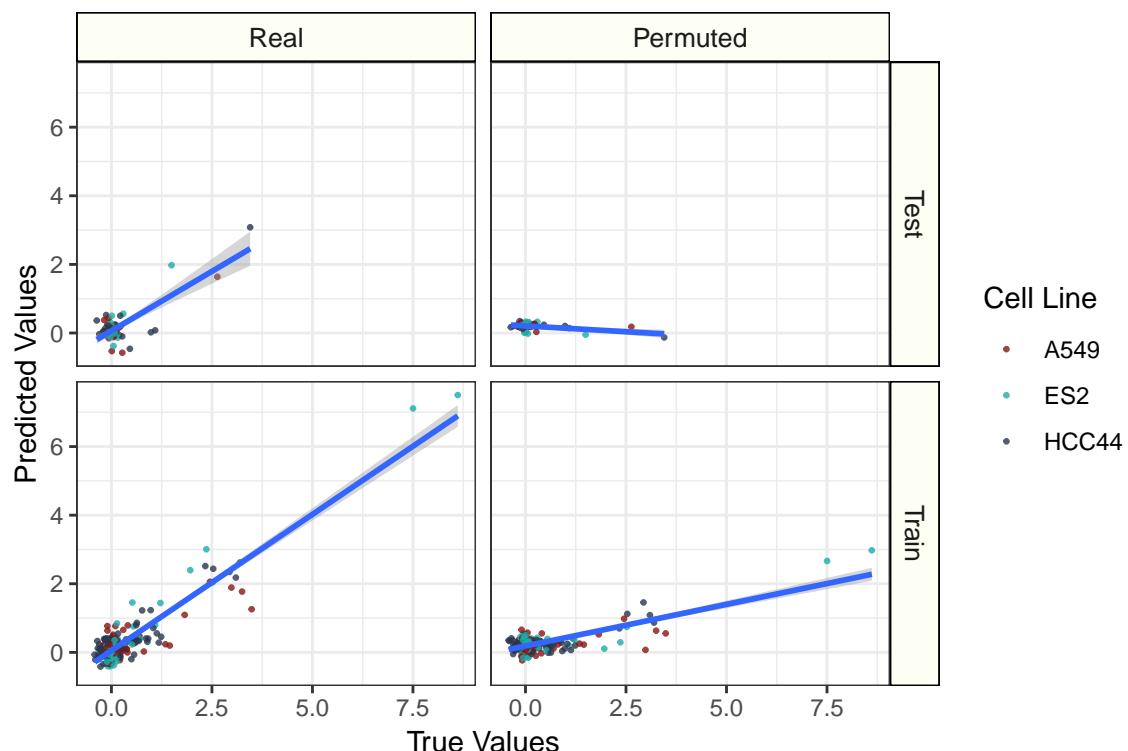


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.17  | 0.26  |
| Test  | Real    | raw       | 0.00  | 0.24  |
| Train | Shuffle | raw       | 0.34  | 0.21  |
| Test  | Shuffle | raw       | -0.18 | 0.28  |

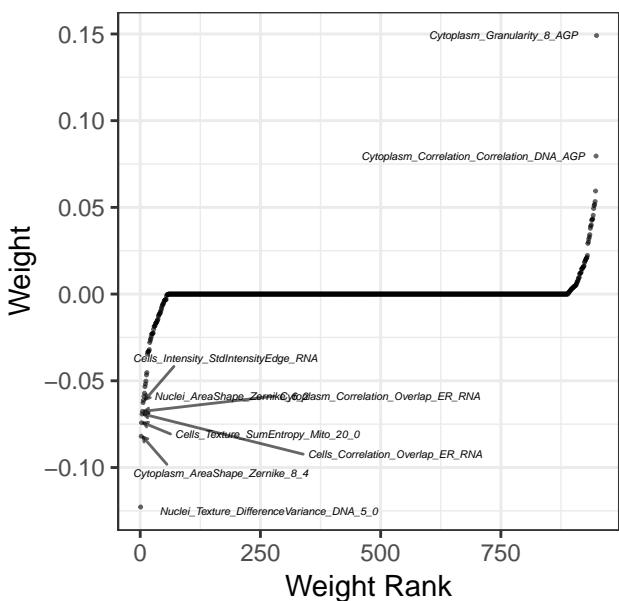


# Performance: vb\_percent\_dead

## Transform: raw

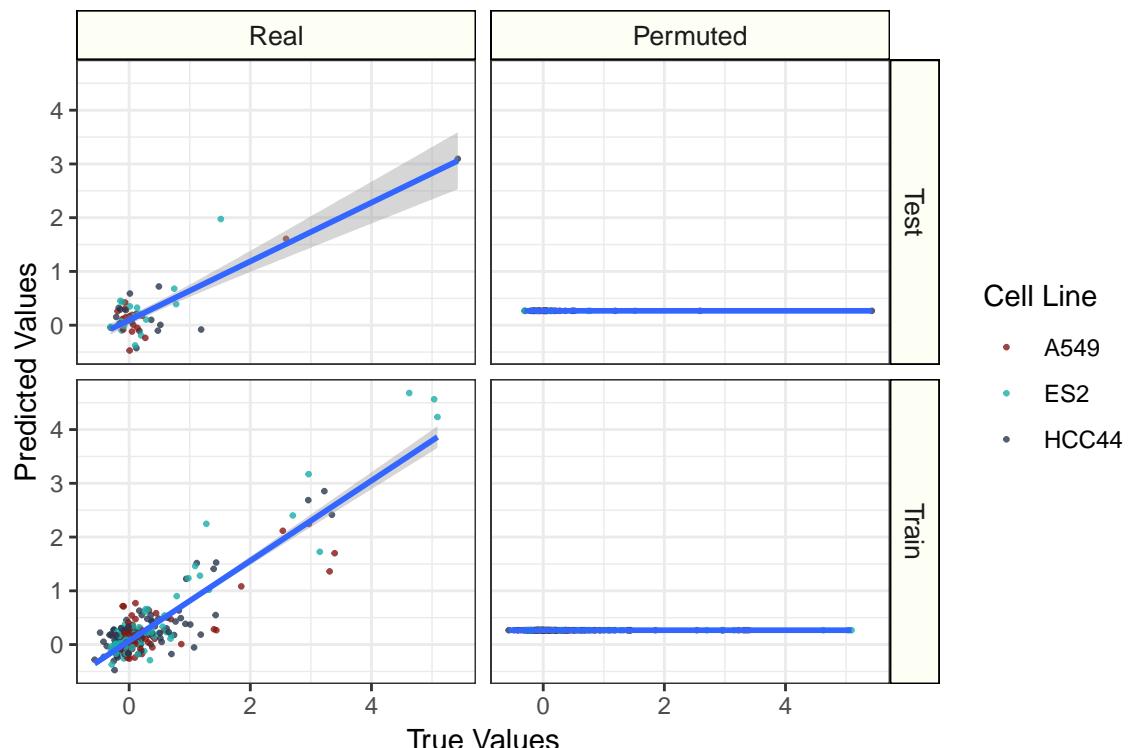


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.85  | 0.12  |
| Test  | Real    | raw       | 0.62  | 0.16  |
| Train | Shuffle | raw       | 0.39  | 0.48  |
| Test  | Shuffle | raw       | -0.16 | 0.48  |

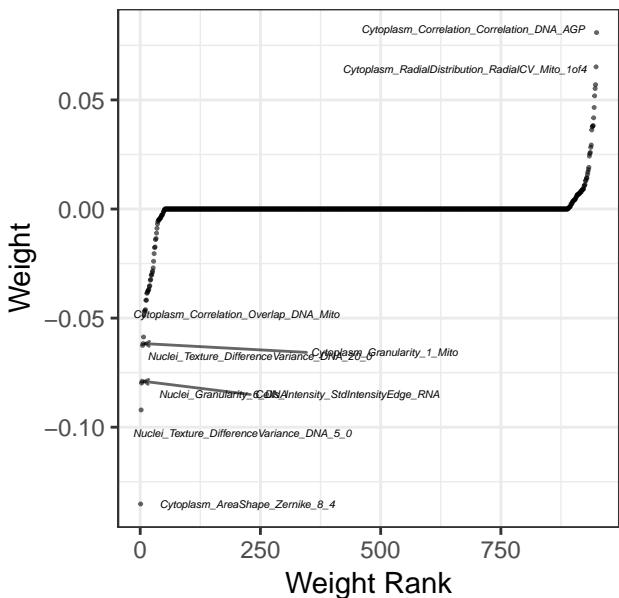


# Performance: vb\_percent\_dead\_only

Transform: raw

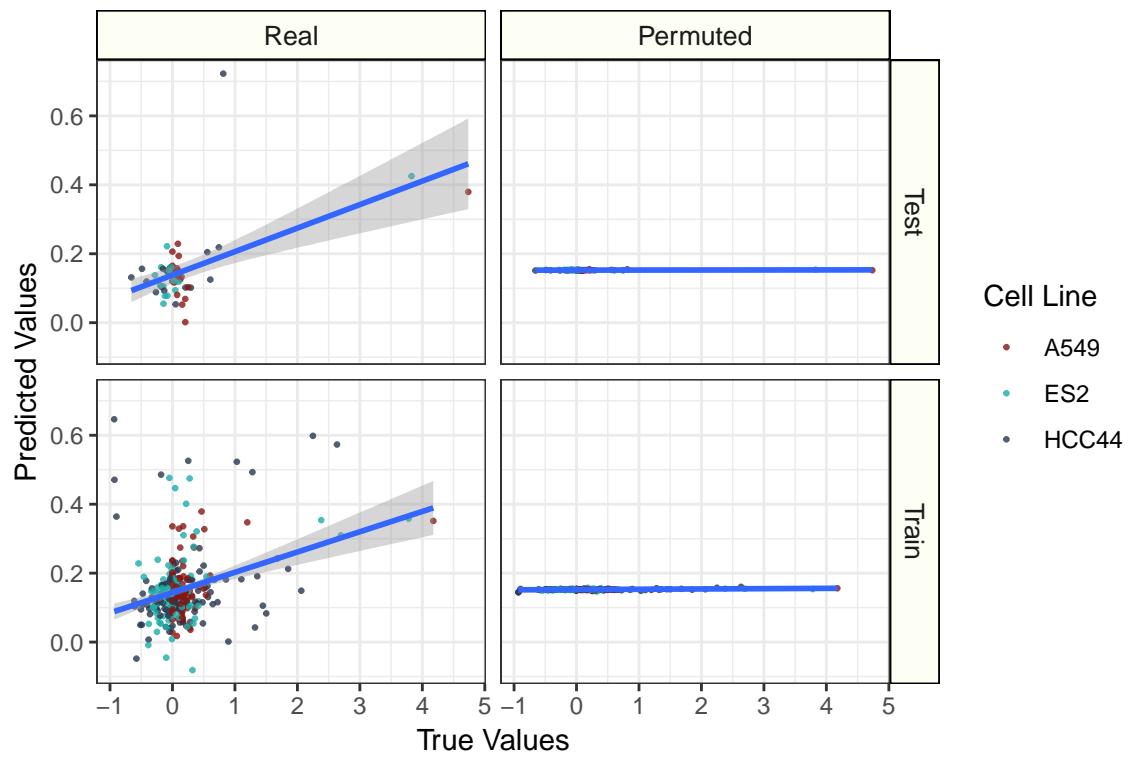


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.80 | 0.12  |
| Test  | Real    | raw       | 0.66 | 0.25  |
| Train | Shuffle | raw       | 0.00 | 0.63  |
| Test  | Shuffle | raw       | 0.00 | 0.73  |

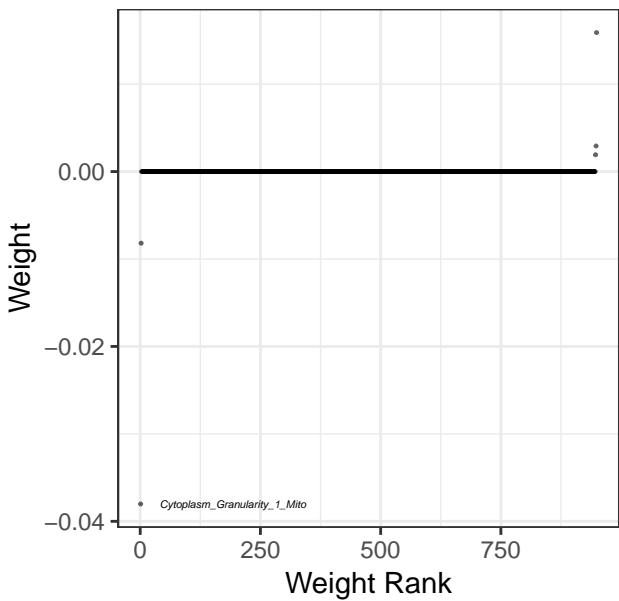


# Performance: vb\_percent\_early\_apoptosis

Transform: raw

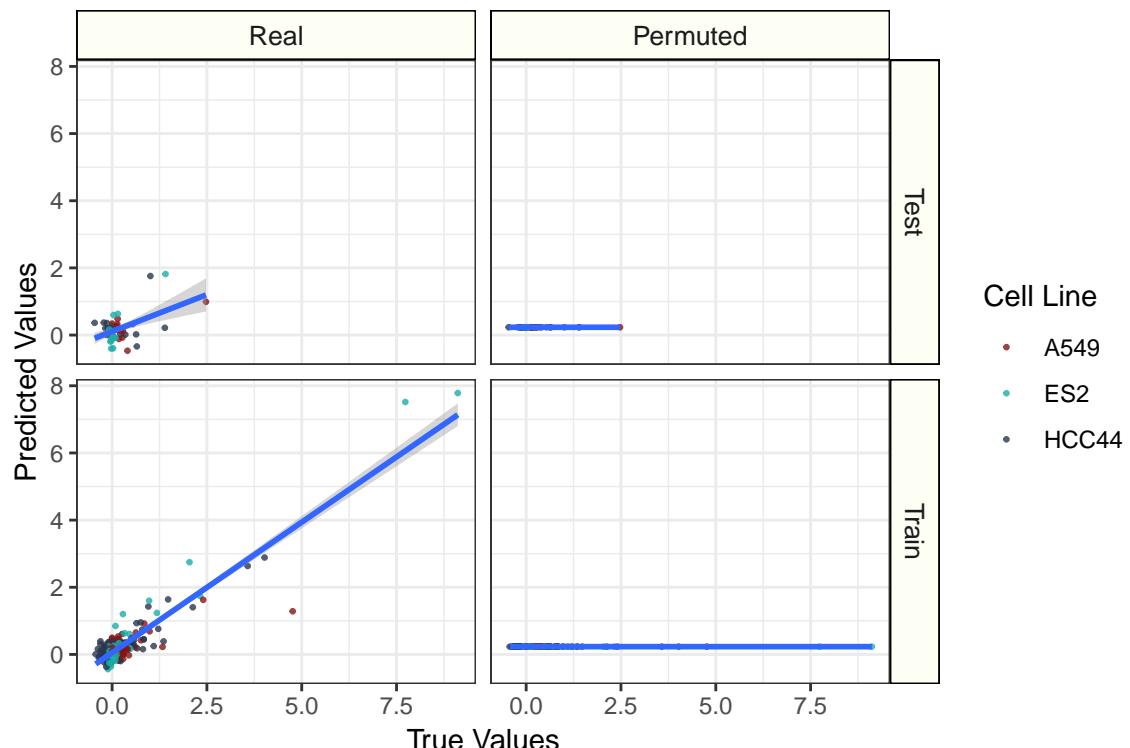


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.09 | 0.29  |
| Test  | Real    | raw       | 0.12 | 0.63  |
| Train | Shuffle | raw       | 0.00 | 0.31  |
| Test  | Shuffle | raw       | 0.00 | 0.72  |

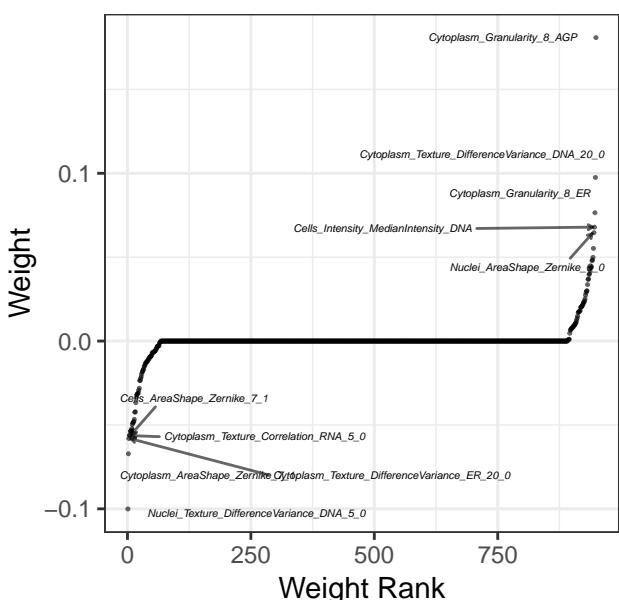


# Performance: vb\_percent\_late\_apoptosis

Transform: raw

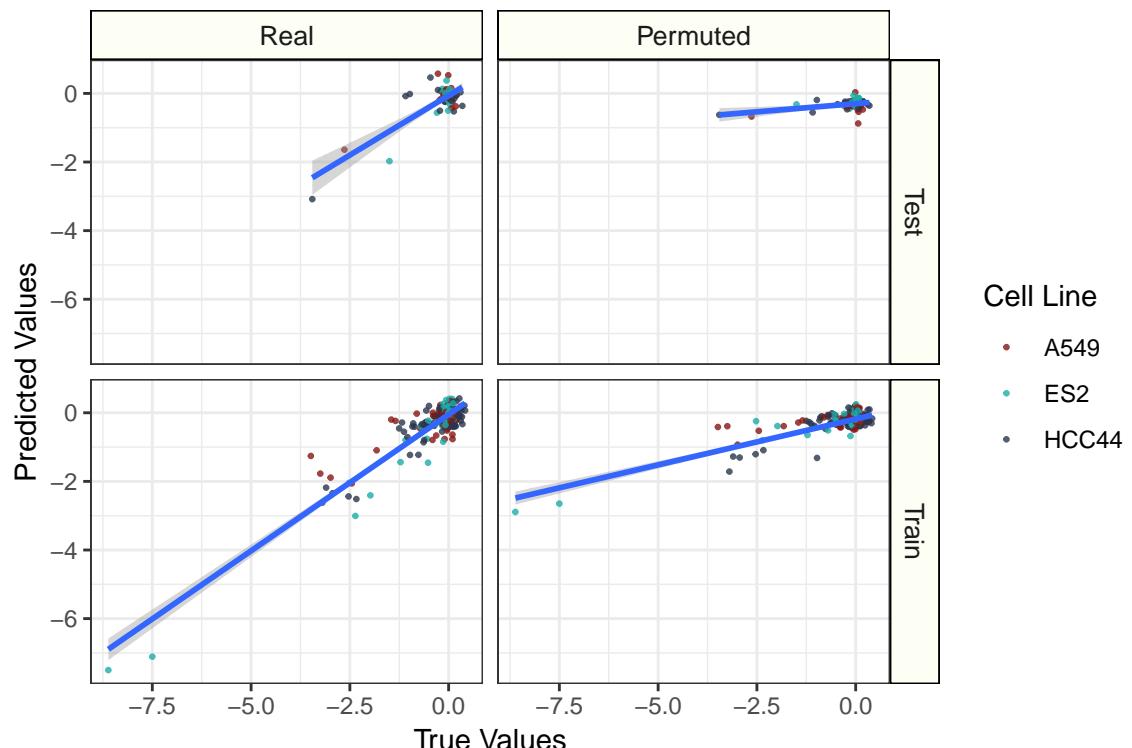


| fit   | shuffle | transform | r2    | value |
|-------|---------|-----------|-------|-------|
| Train | Real    | raw       | 0.84  | 0.12  |
| Test  | Real    | raw       | 0.12  | 0.19  |
| Train | Shuffle | raw       | 0.00  | 0.75  |
| Test  | Shuffle | raw       | -0.01 | 0.22  |

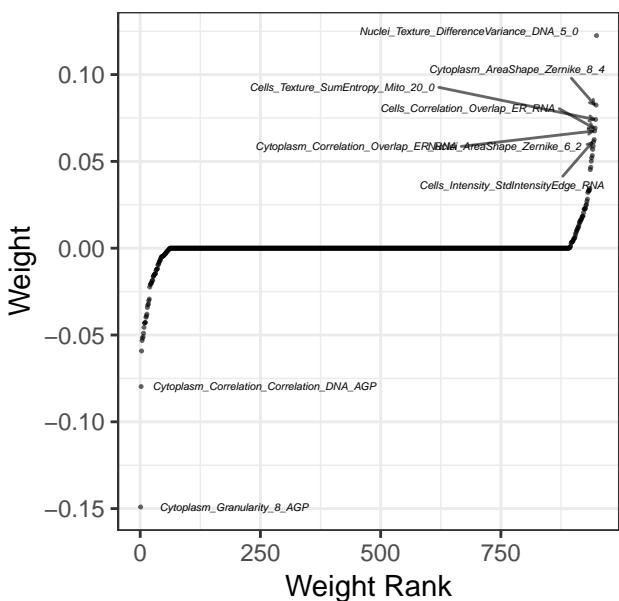


# Performance: vb\_percent\_live

Transform: raw

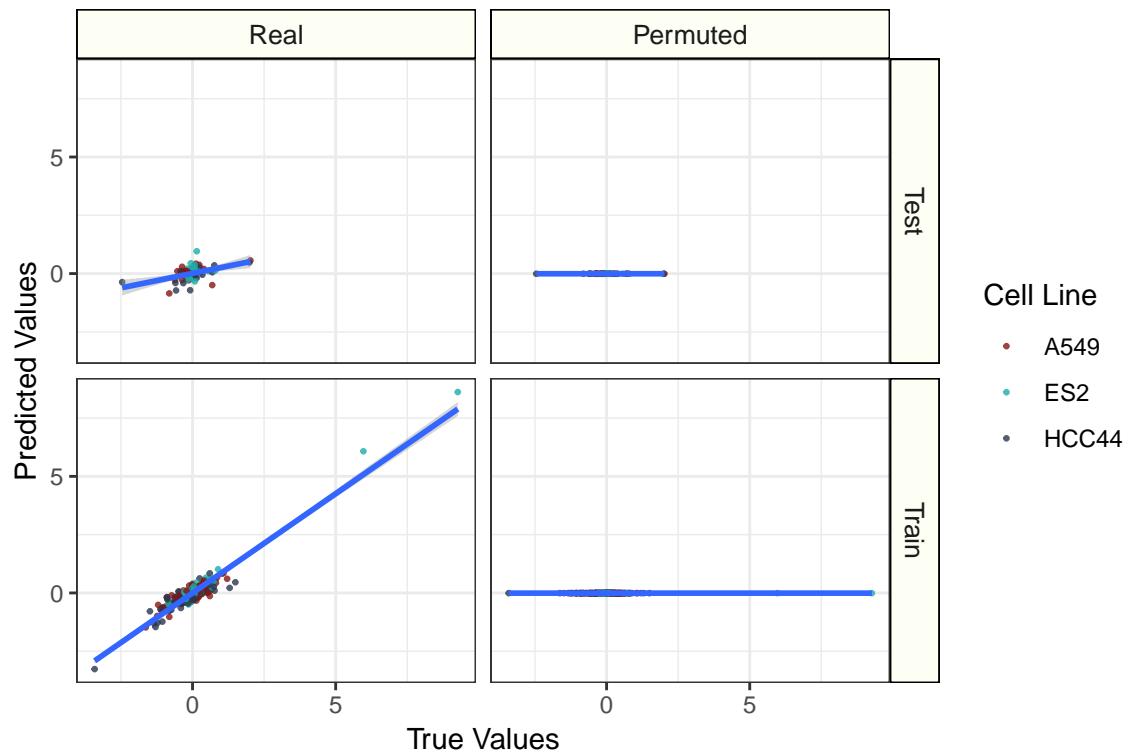


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.85 | 0.12  |
| Test  | Real    | raw       | 0.62 | 0.16  |
| Train | Shuffle | raw       | 0.42 | 0.45  |
| Test  | Shuffle | raw       | 0.10 | 0.38  |

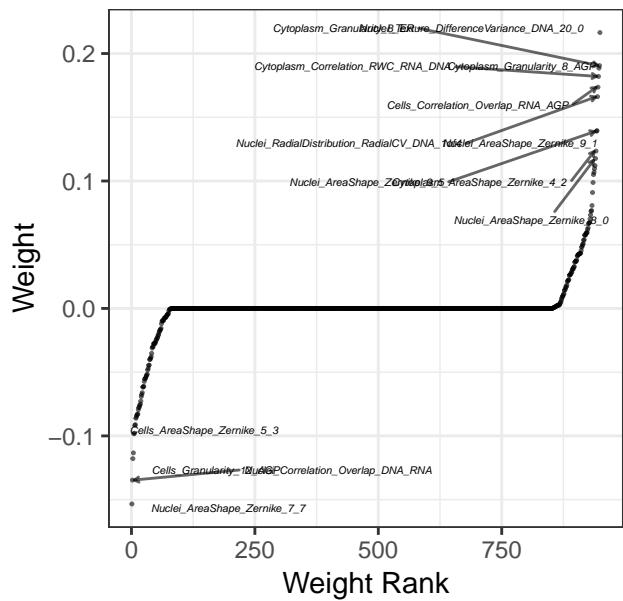


# Performance: vb\_ros\_back\_mean

Transform: raw

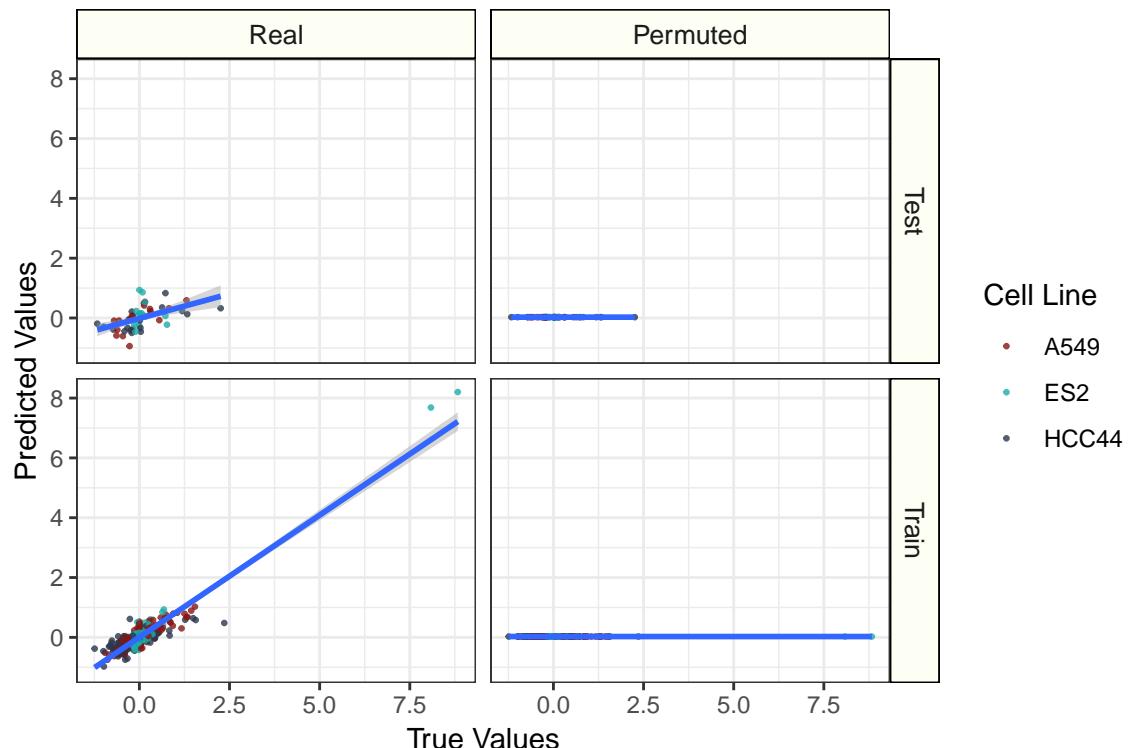


| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.90 | 0.07  |
| Test  | Real    | raw       | 0.21 | 0.30  |
| Train | Shuffle | raw       | 0.00 | 0.65  |
| Test  | Shuffle | raw       | 0.00 | 0.38  |



# Performance: vb\_ros\_mean

Transform: raw



| fit   | shuffle | transform | r2   | value |
|-------|---------|-----------|------|-------|
| Train | Real    | raw       | 0.87 | 0.09  |
| Test  | Real    | raw       | 0.21 | 0.27  |
| Train | Shuffle | raw       | 0.00 | 0.68  |
| Test  | Shuffle | raw       | 0.00 | 0.35  |

