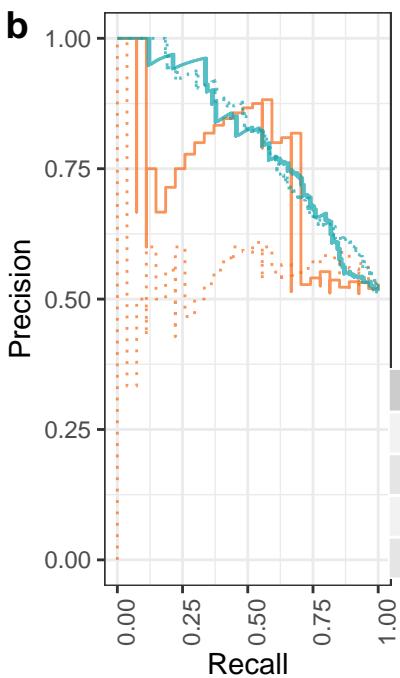
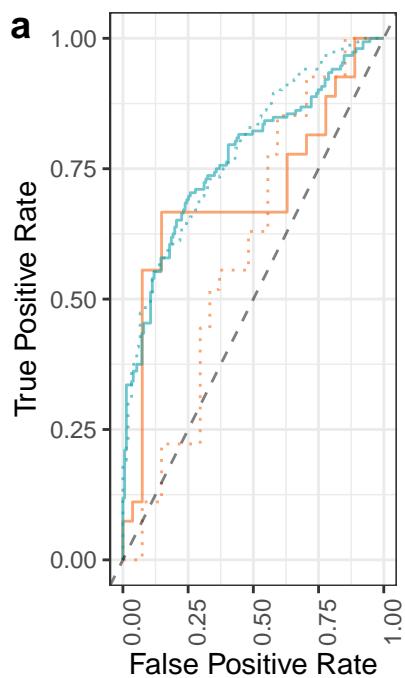


# Performance: cc\_all\_high\_n\_spots\_h2ax\_mean



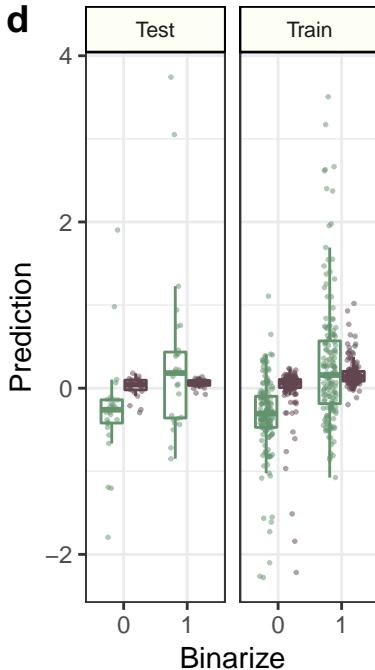
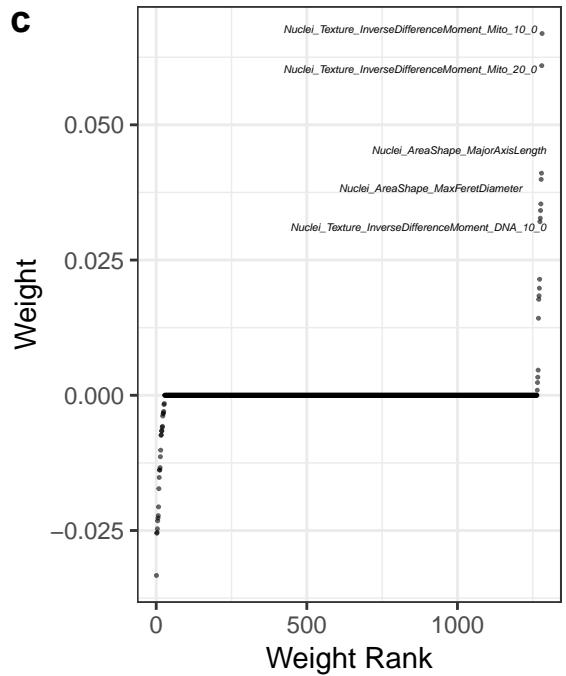
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.77	0.80	True	False	151
Test	0.70	0.73	Test	False	151
Train	0.78	0.81	Train	True	151
Test	0.59	0.55	Test	True	151

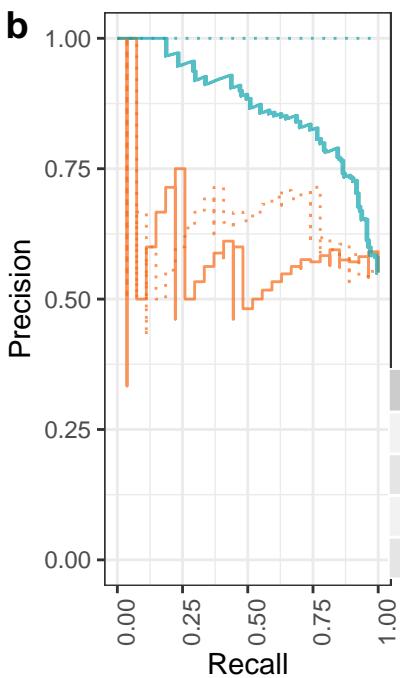
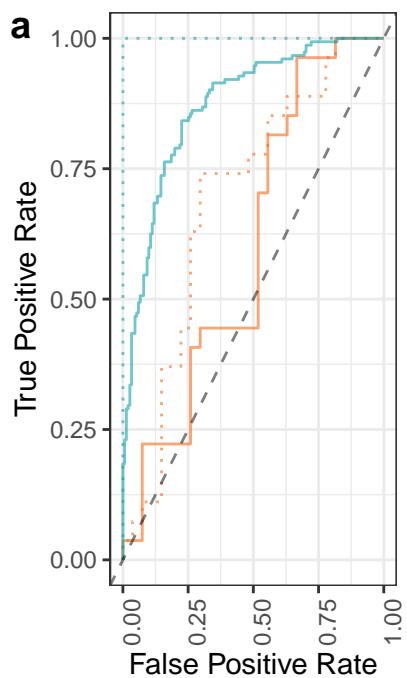


Shuffled

False

True

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

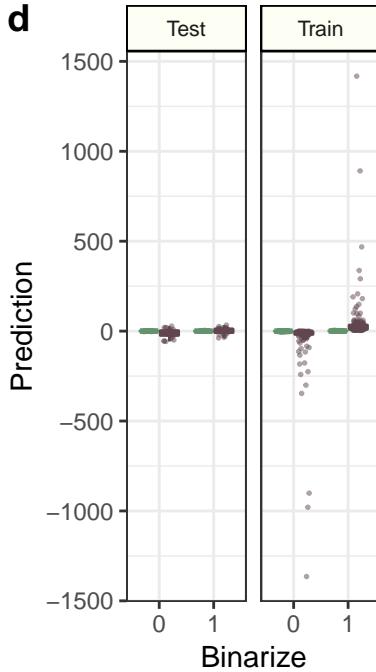
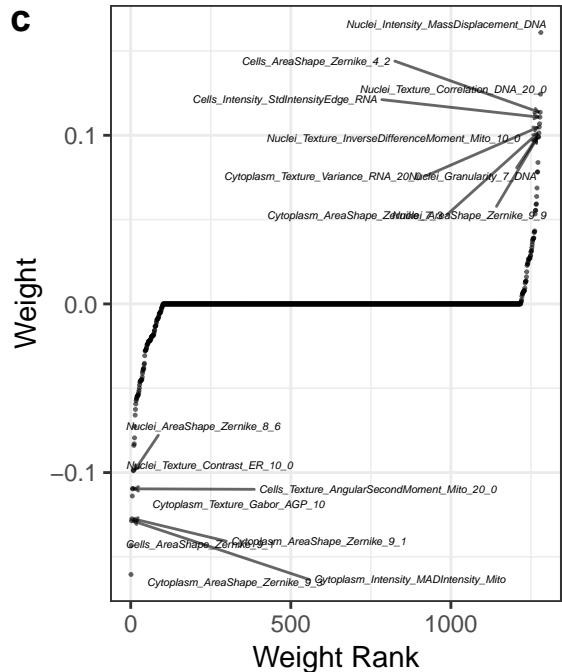


Shuffled Data

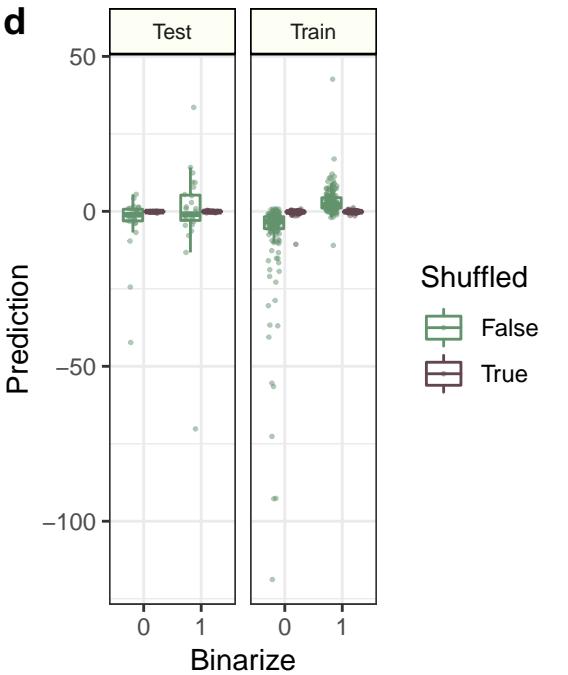
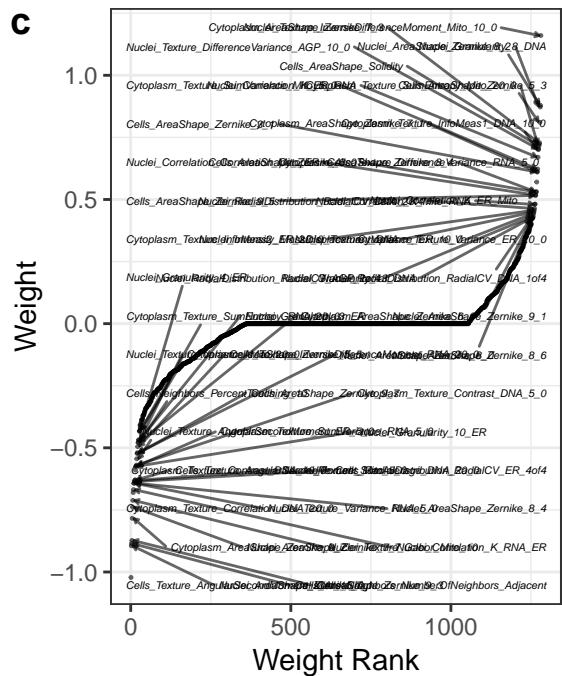
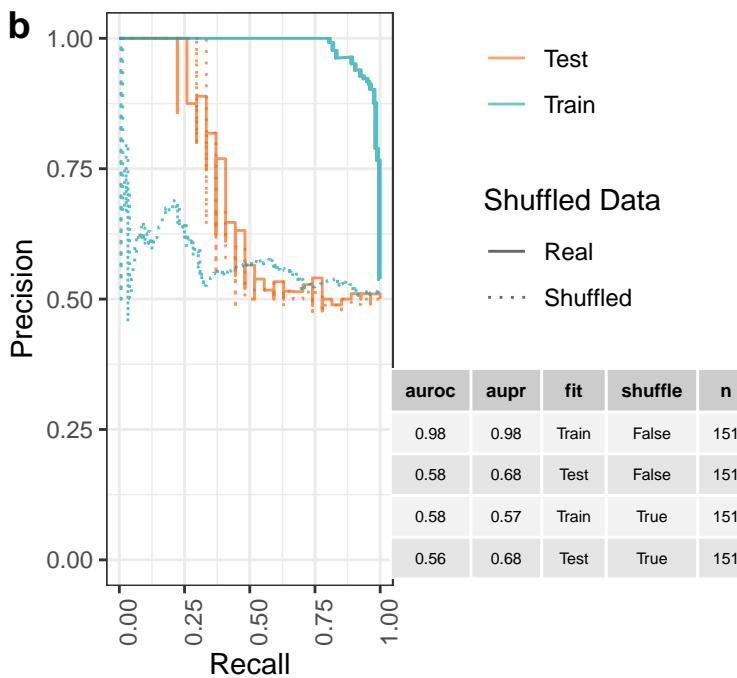
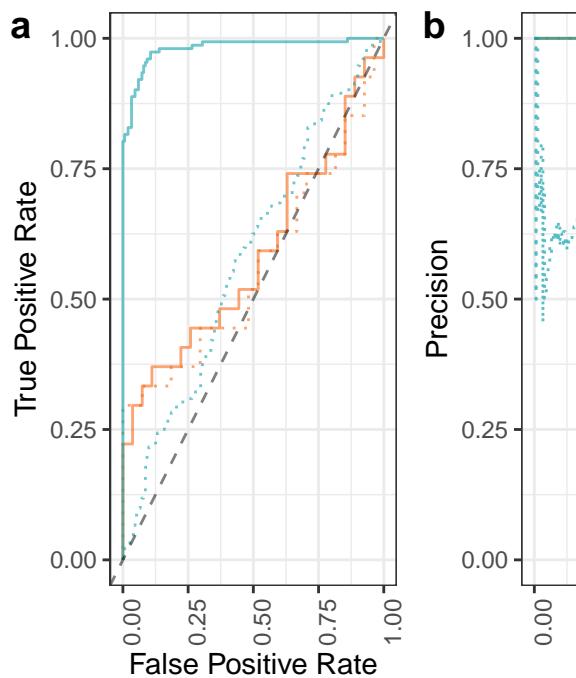
Real

Shuffled

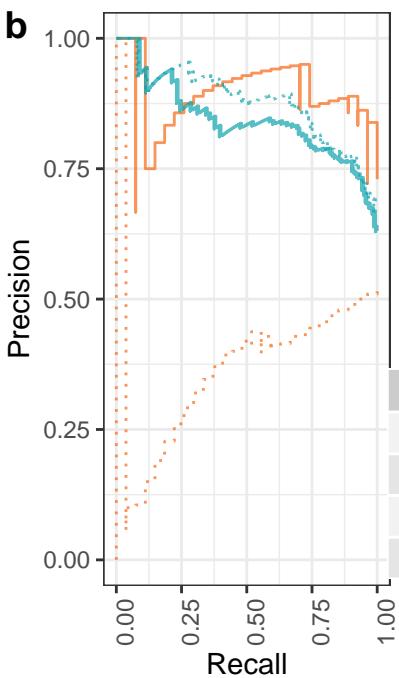
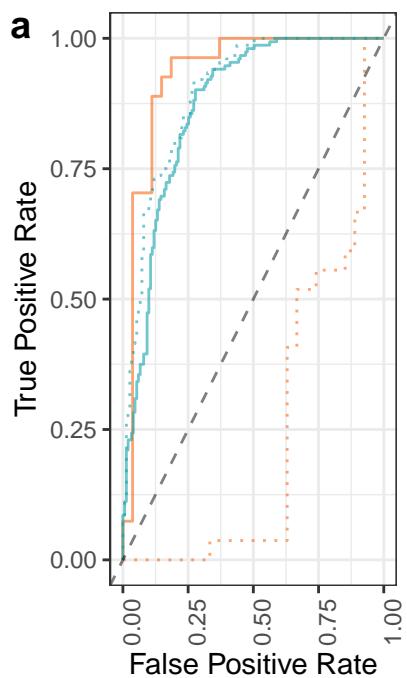
	auroc	aupr	fit	shuffle	n
Train	0.87	0.87	Train	False	151
Test	0.60	0.59	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.69	0.65	Test	True	151



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



# Performance: cc\_all\_n\_objects



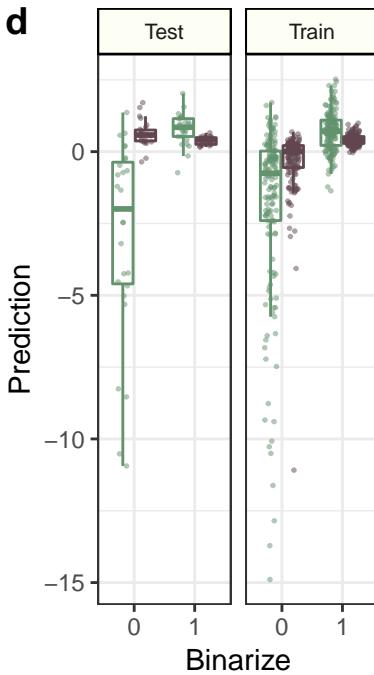
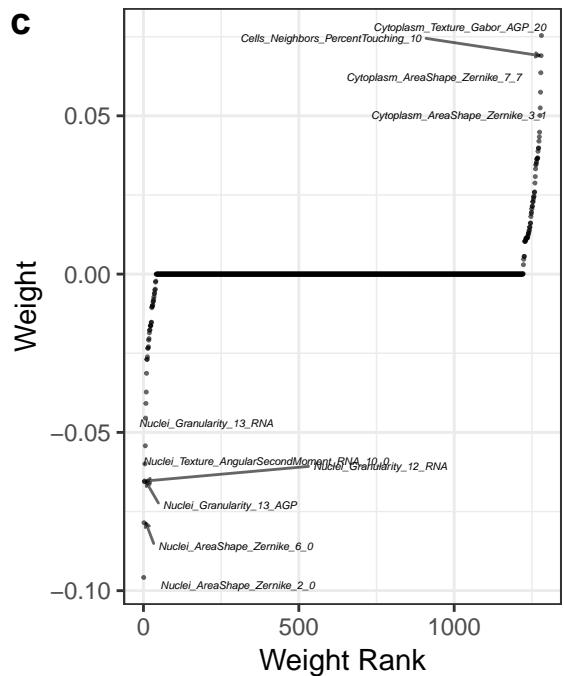
Test  
Train

Shuffled Data

Real

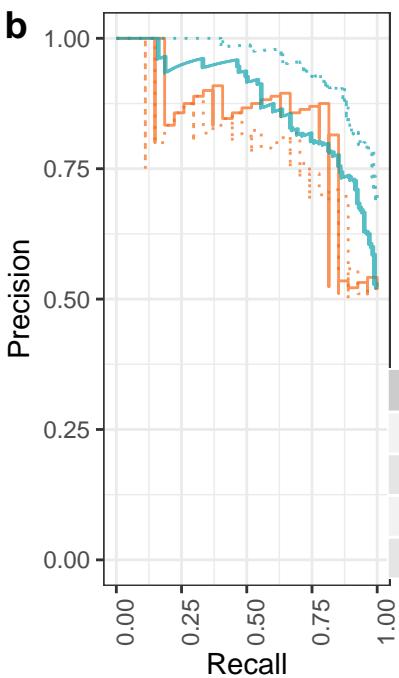
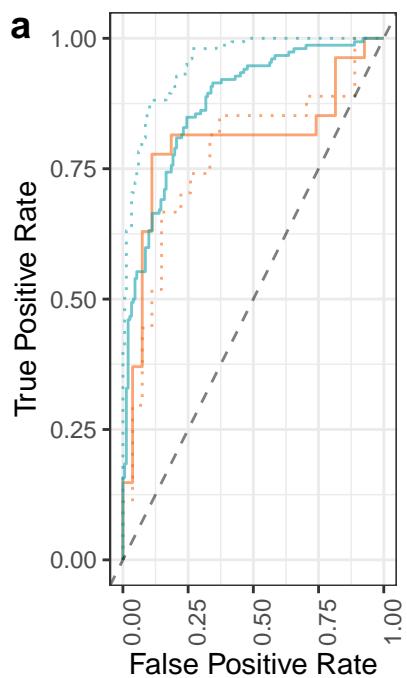
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.87	0.84	True	False	151
Test	0.93	0.89	Test	False	151
Train	0.90	0.88	Train	True	151
Test	0.25	0.37	Test	True	151



Shuffled  
False  
True

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



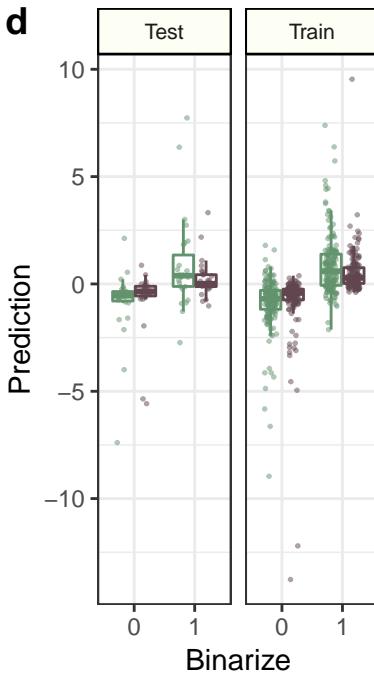
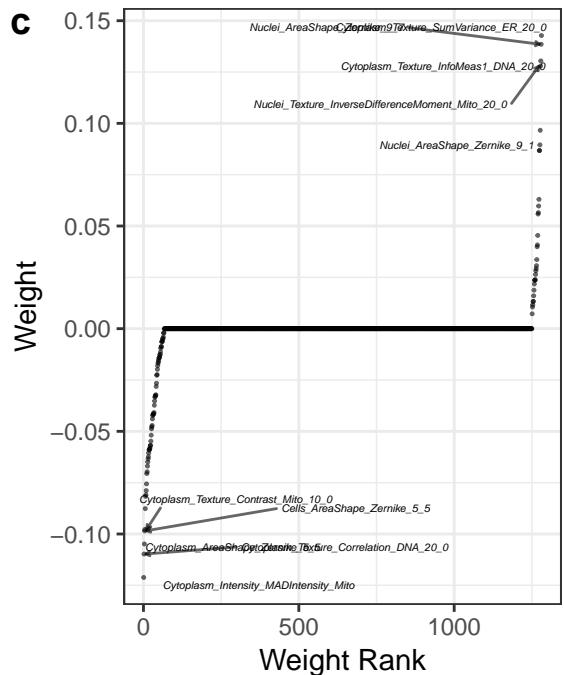
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.87	0.88	True	False	151
Test	0.80	0.83	Test	False	151
Train	0.95	0.95	Train	True	151
Test	0.77	0.78	Test	True	151

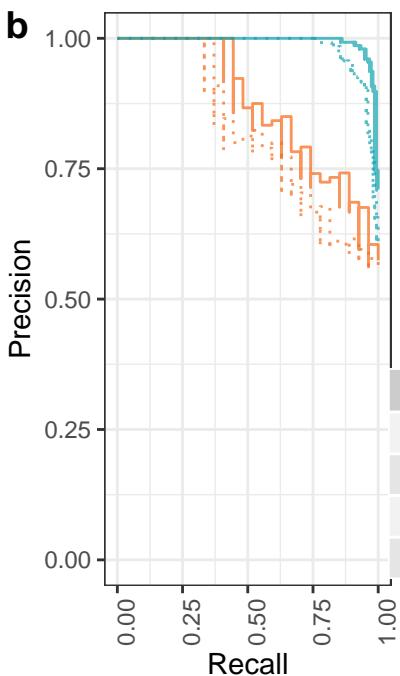
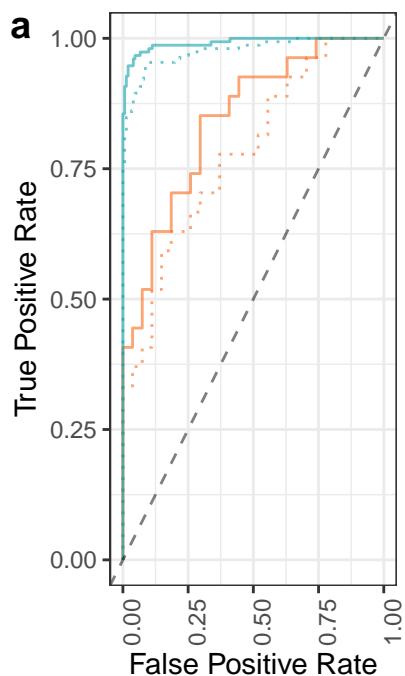


Shuffled

False

True

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

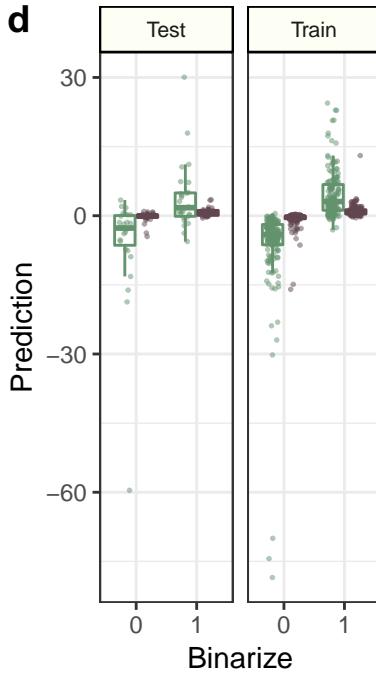
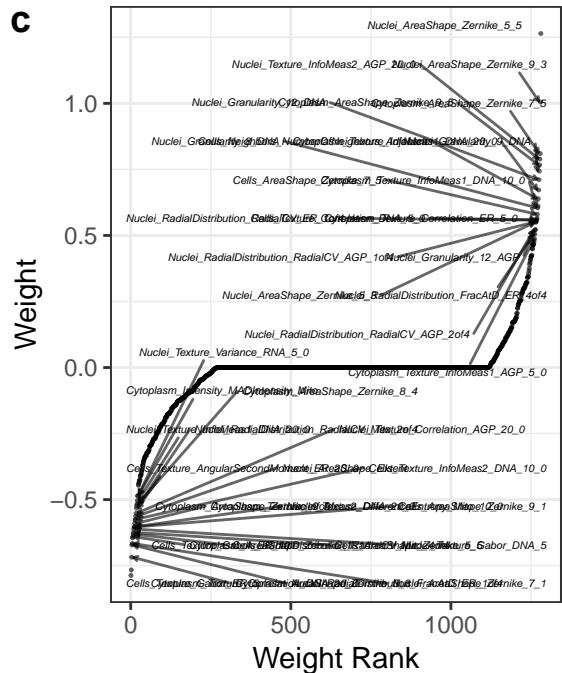


Shuffled Data

Real

Shuffled

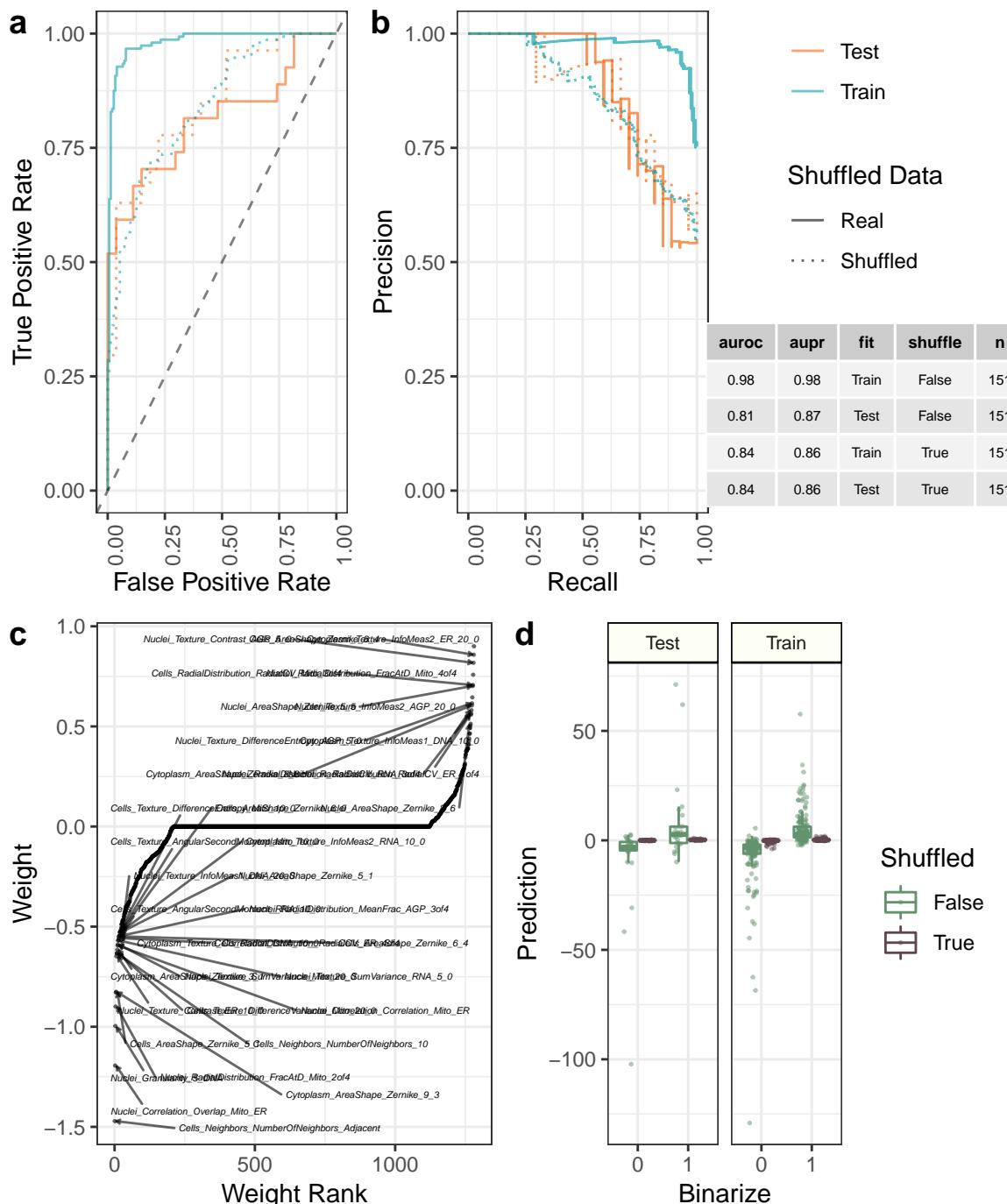
	auroc	aupr	fit	shuffle	n
Train	0.99	0.99	True	False	151
Test	0.84	0.86	Test	False	151
Train	0.98	0.98	Train	True	151
Test	0.78	0.81	Test	True	151



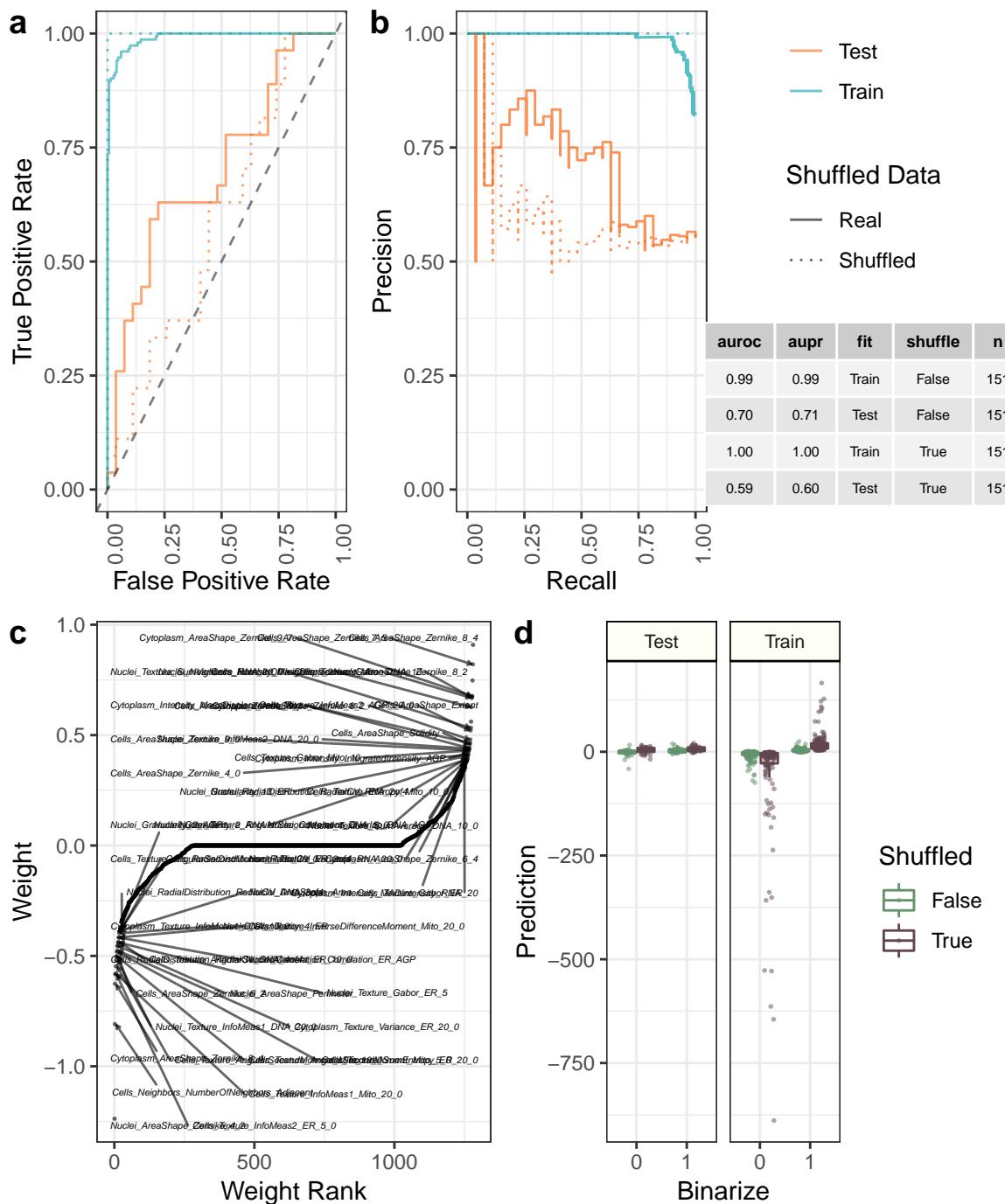
Shuffled

- False
- True

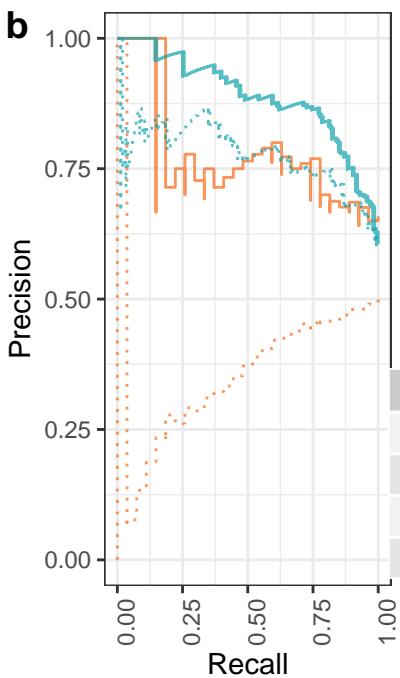
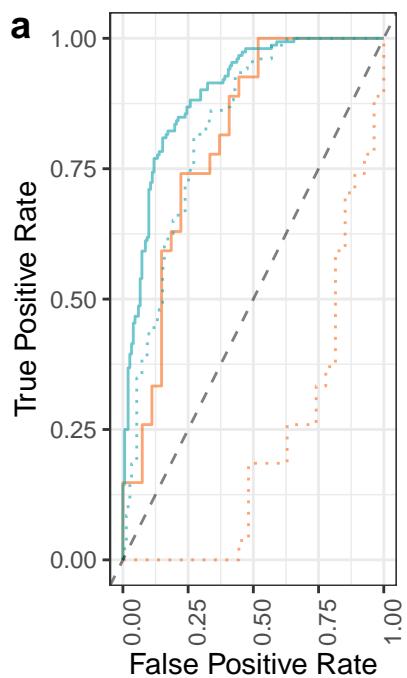
# Performance: cc\_all\_nucleus\_area\_mean



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



# Performance: cc\_cc\_edu\_pos\_mean



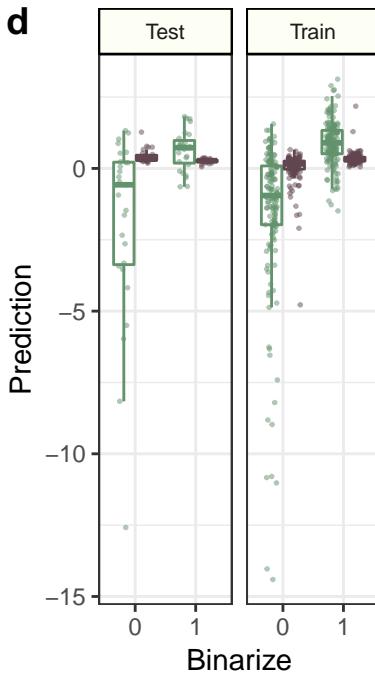
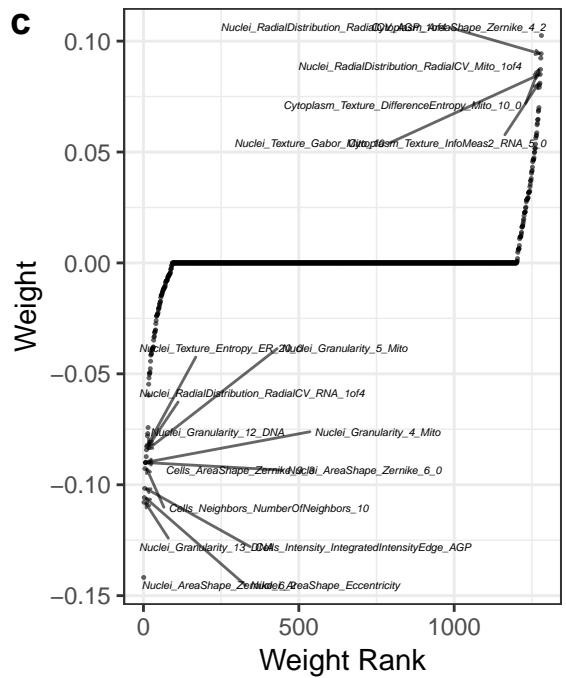
Test  
Train

Shuffled Data

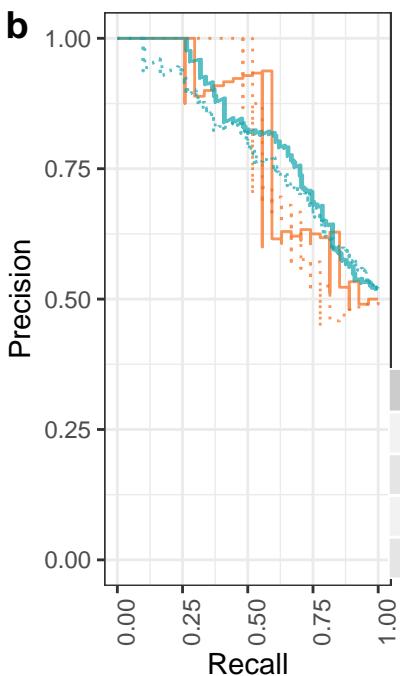
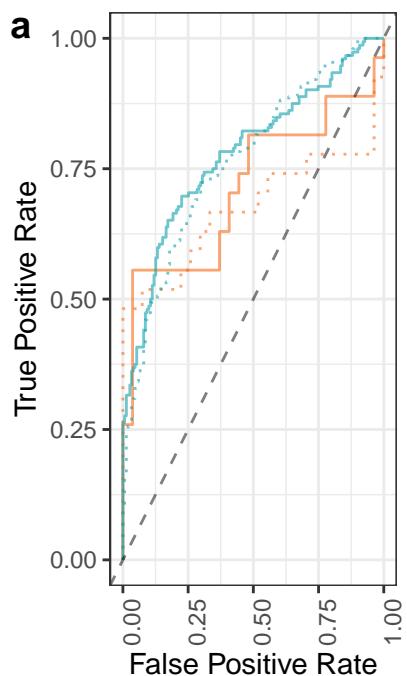
Real

Shuffled

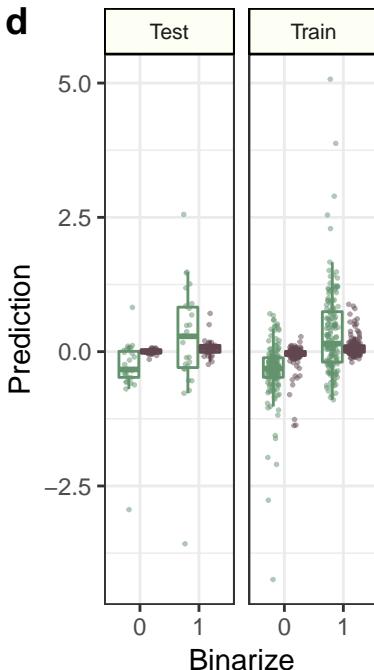
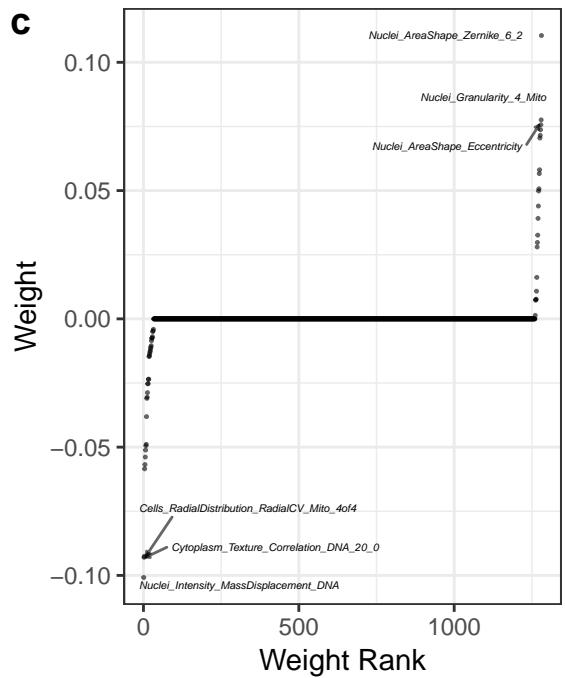
	auroc	aupr	fit	shuffle	n
Train	0.90	0.89	True	False	151
Test	0.80	0.77	Test	False	151
Train	0.82	0.78	Train	True	151
Test	0.22	0.36	Test	True	151



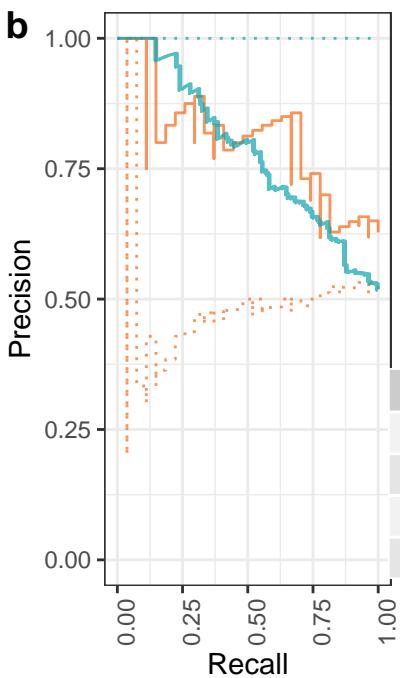
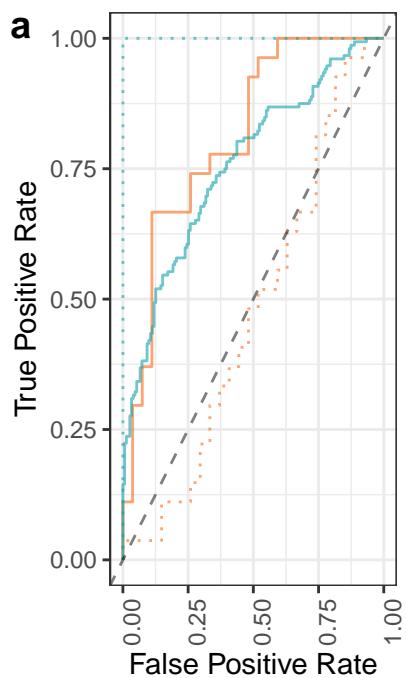
# Performance: cc\_cc\_g1\_mean



auroc	aupr	fit	shuffle	n
0.78	0.82	Train	False	151
0.71	0.79	Test	False	151
0.76	0.79	Train	True	151
0.67	0.78	Test	True	151



# Performance: cc\_cc\_g2\_ph3\_neg\_mean



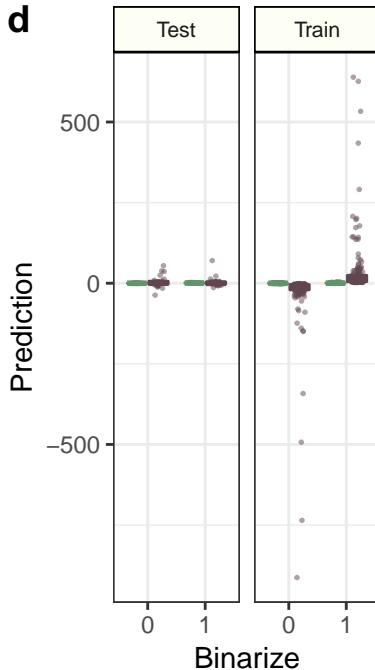
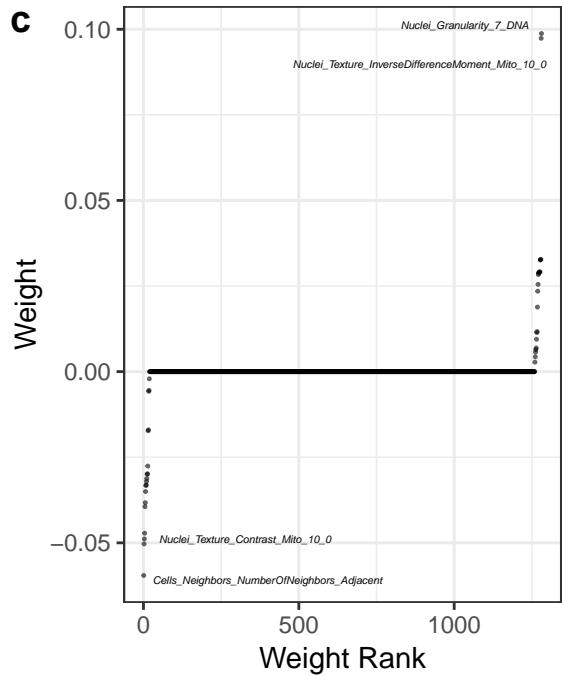
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.76	0.78	Train	False	151
Train	0.81	0.80	Test	False	151
Real	1.00	1.00	Train	True	151
Shuffled	0.47	0.50	Test	True	151

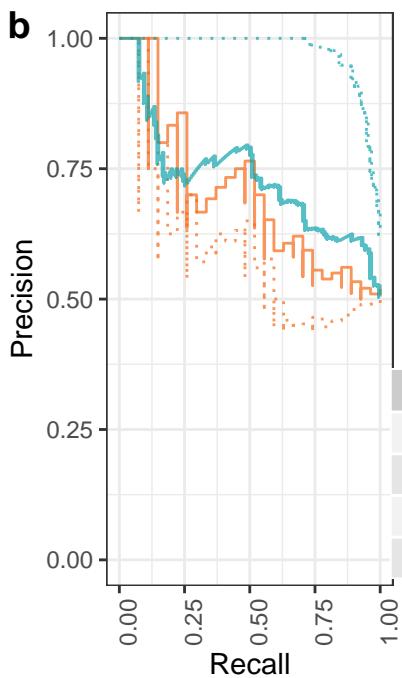
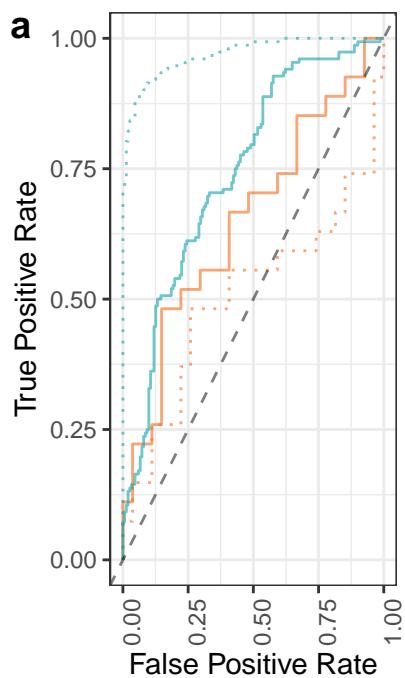


Shuffled

False

True

# Performance: cc\_cc\_g2\_ph3\_pos\_early\_mitosis\_mean



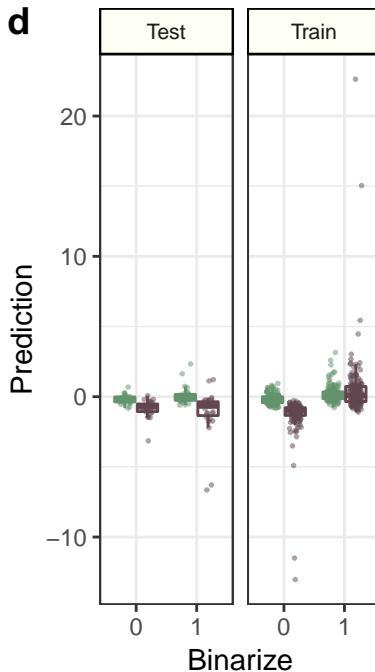
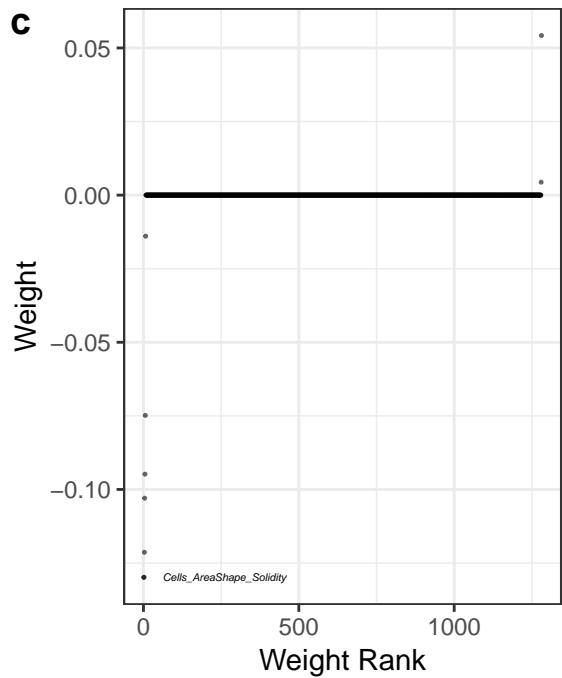
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.74	0.73	Train	False	151
Train	0.65	0.69	Test	False	151
True	0.97	0.97	Train	True	151
False	0.51	0.59	Test	True	151

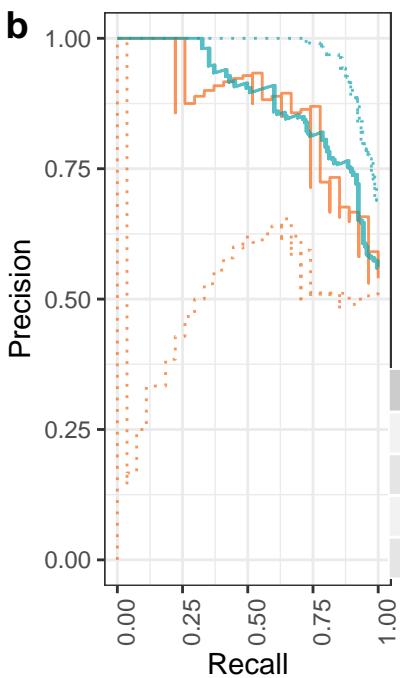
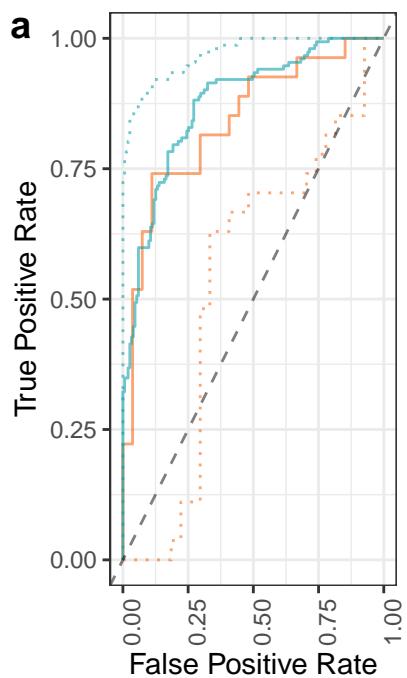


Shuffled

False

True

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



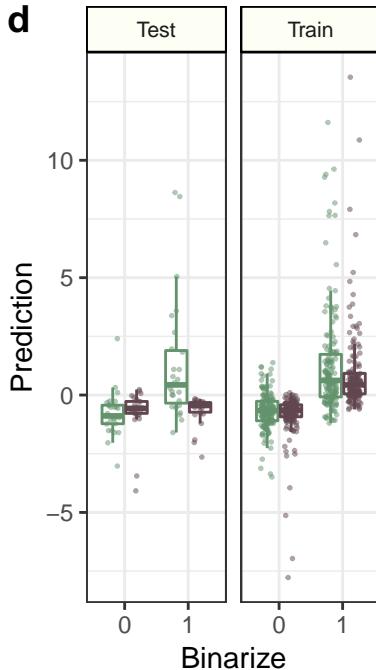
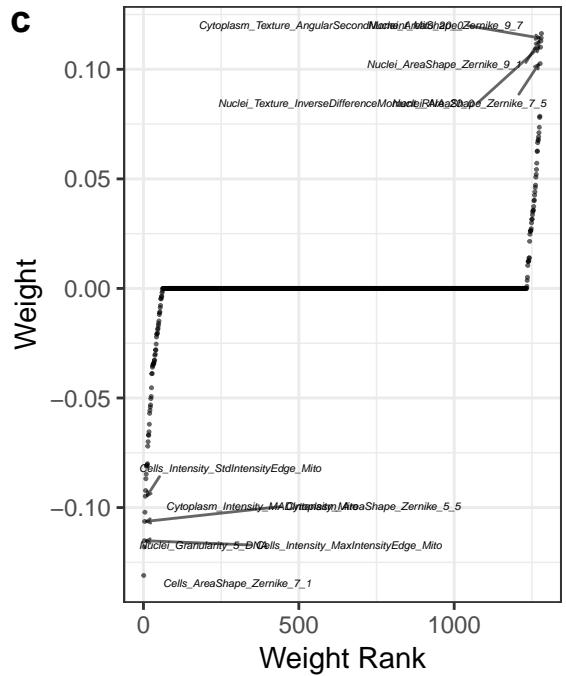
Test  
Train

Shuffled Data

Real

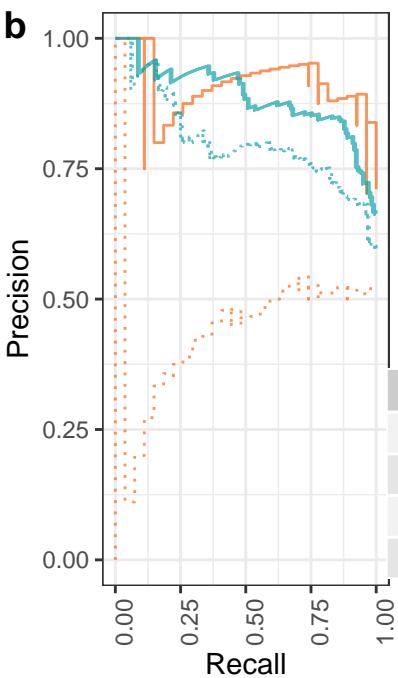
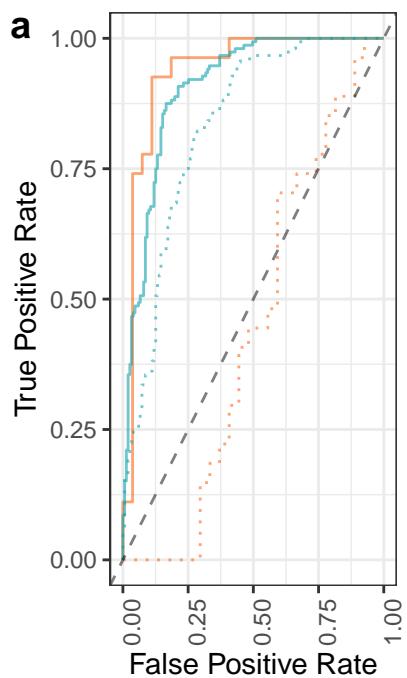
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.88	0.89	True	False	151
Test	0.84	0.86	Test	False	151
Train	0.97	0.97	Train	True	151
Test	0.53	0.50	Test	True	151



Shuffled  
False  
True

# Performance: cc\_cc\_n\_objects



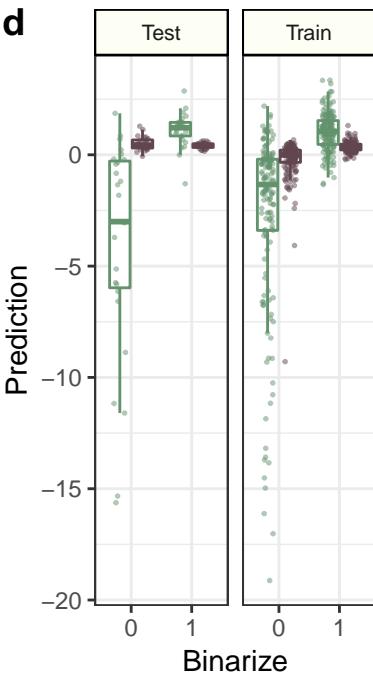
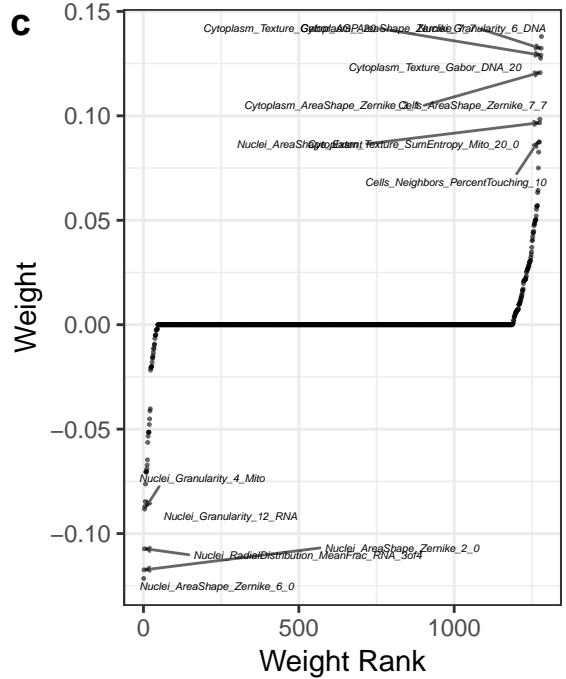
Test  
Train

Shuffled Data

Real

Shuffled

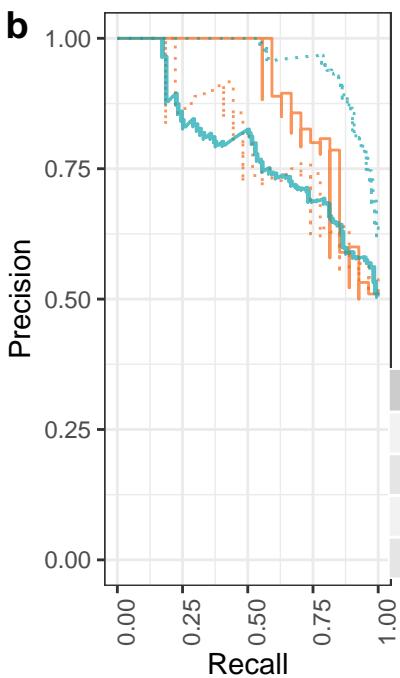
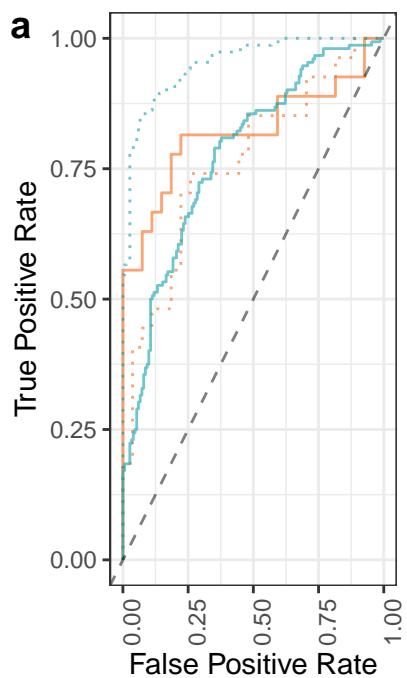
	auroc	aupr	fit	shuffle	n
0.91	0.89	Train	False	151	
0.94	0.91	Test	False	151	
0.83	0.80	Train	True	151	
0.44	0.44	Test	True	151	



Shuffled

False  
True

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



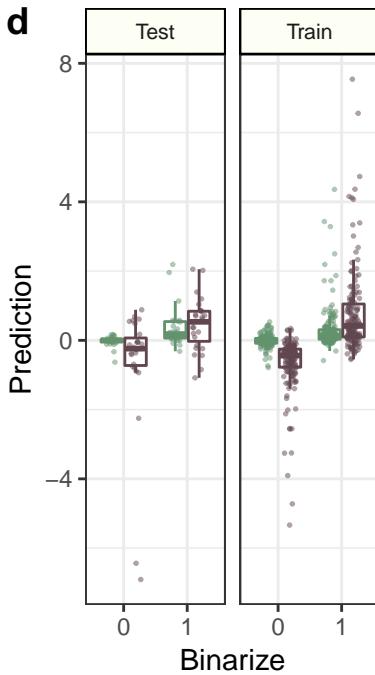
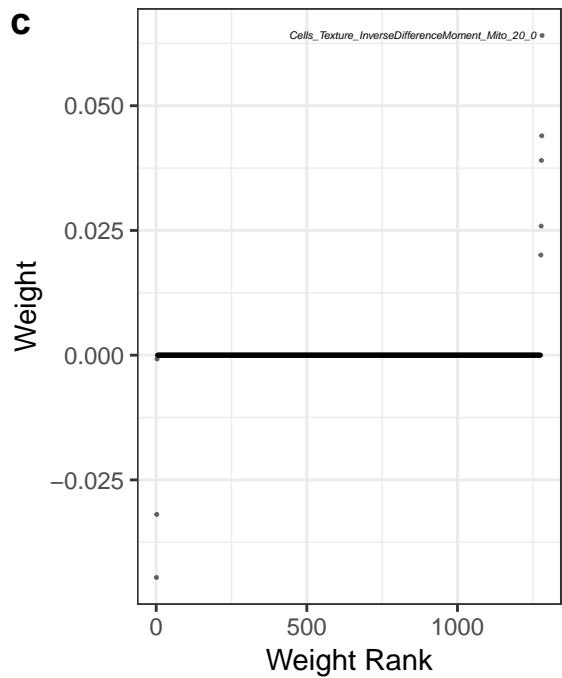
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.78	0.78	Train	False	151
Train	0.82	0.87	Test	False	151
Shuffled	0.95	0.96	Train	True	151
Real	0.76	0.79	Test	True	151

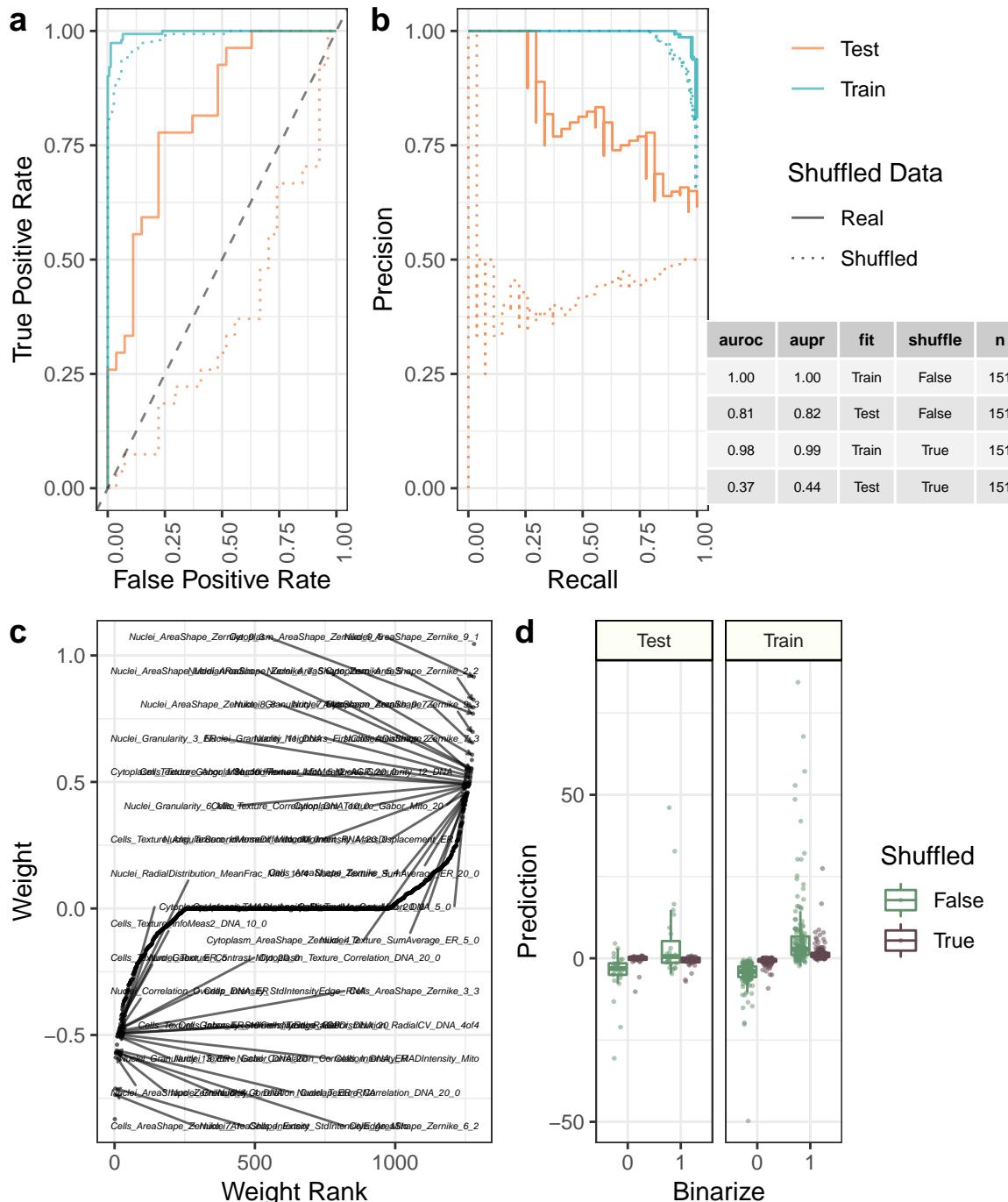


Shuffled

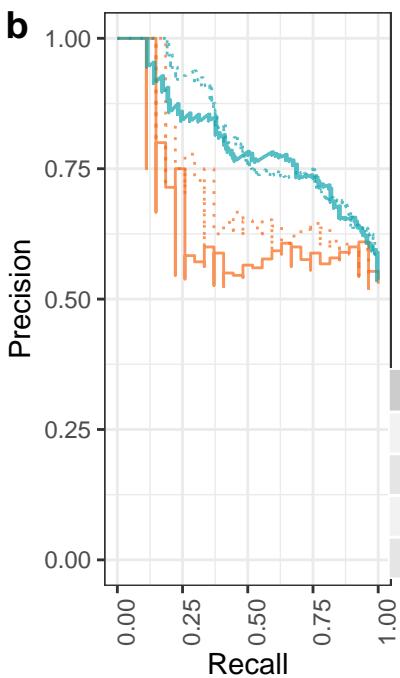
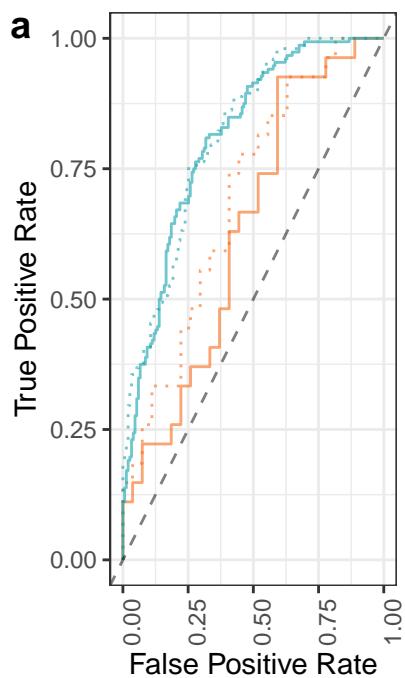
False

True

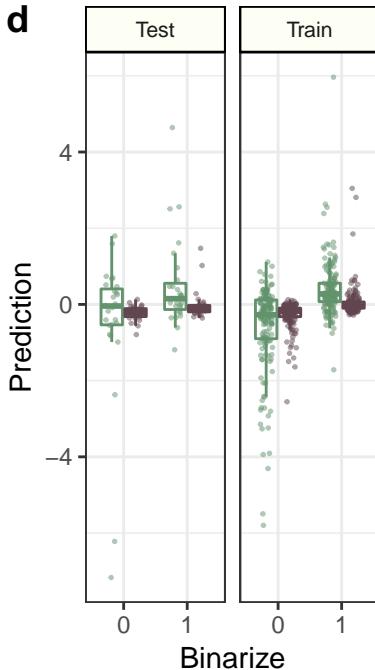
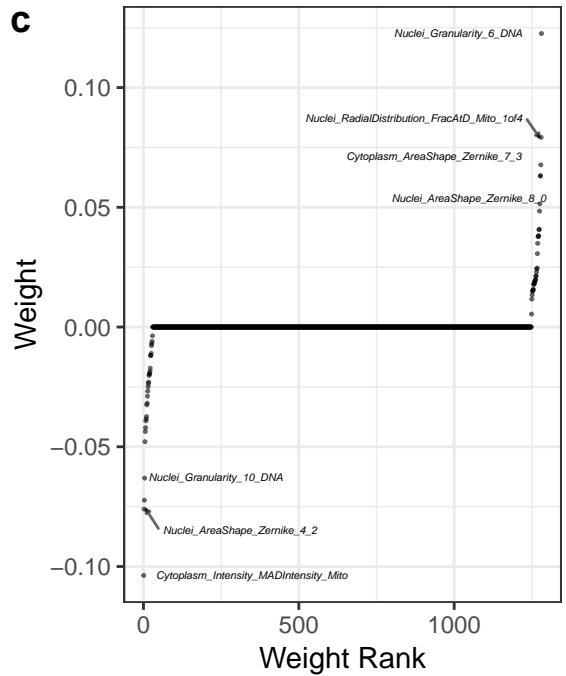
## Performance: cc\_cc\_n\_spots\_per\_nucleus\_area\_mean



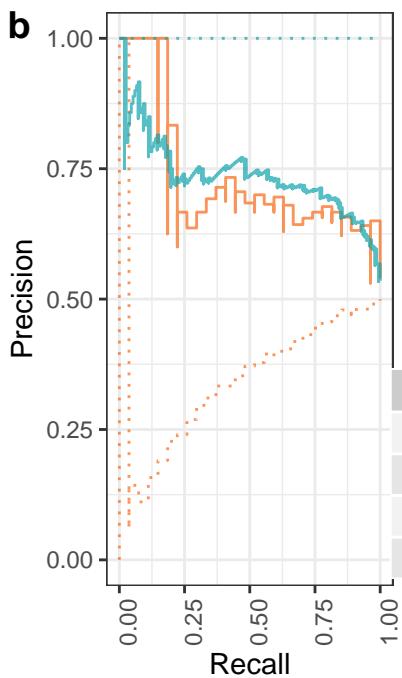
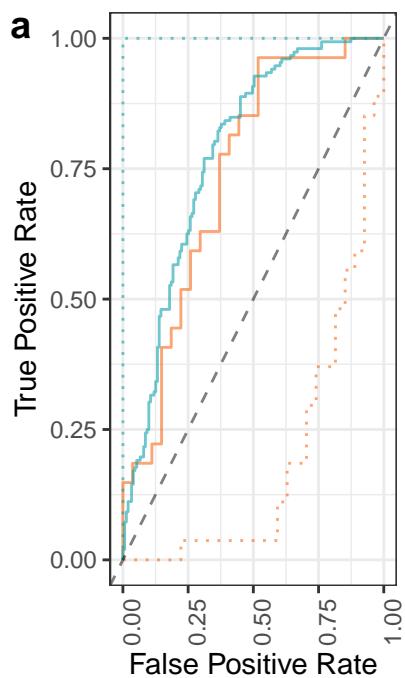
# Performance: cc\_cc\_ph3\_neg\_hoechst\_late\_mitosis\_mean



auroc	aupr	fit	shuffle	n
0.81	0.80	Train	False	151
0.63	0.64	Test	False	151
0.81	0.81	Train	True	151
0.69	0.70	Test	True	151



# Performance: cc\_cc\_ph3\_pos\_hoechst\_mitosis\_mean



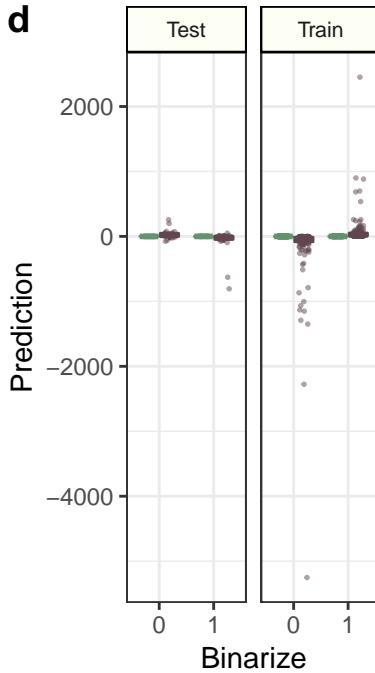
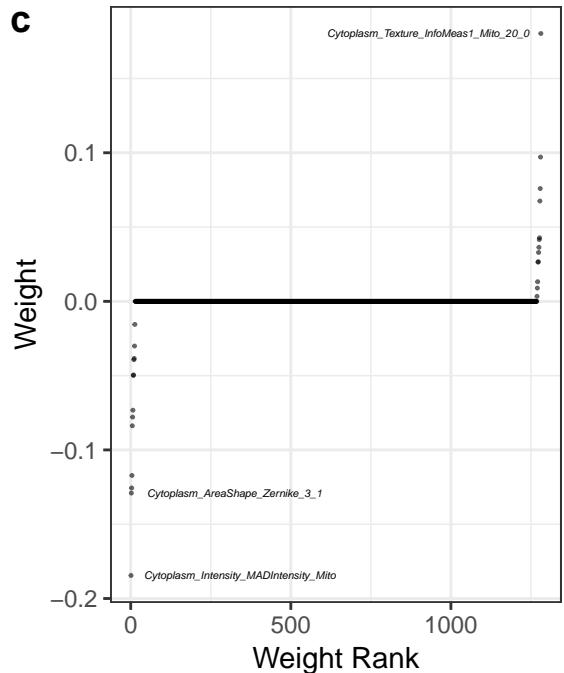
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.78	0.74	Train	False	151
Train	0.74	0.72	Test	False	151
True	1.00	1.00	Train	True	151
False	0.19	0.35	Test	True	151

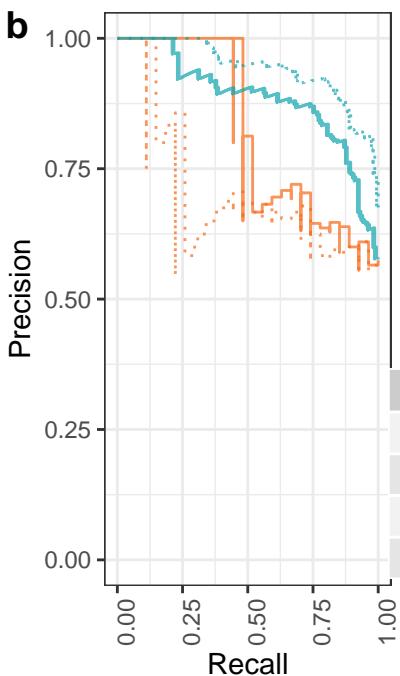
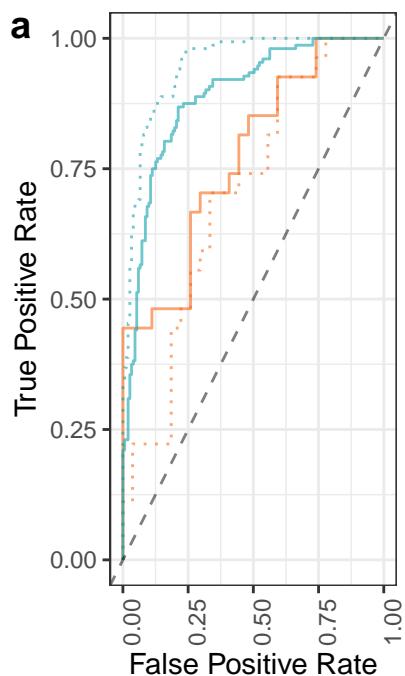


Shuffled

False

True

# Performance: cc\_edu\_pos\_alexa647\_intensity\_nucleus\_area\_mean



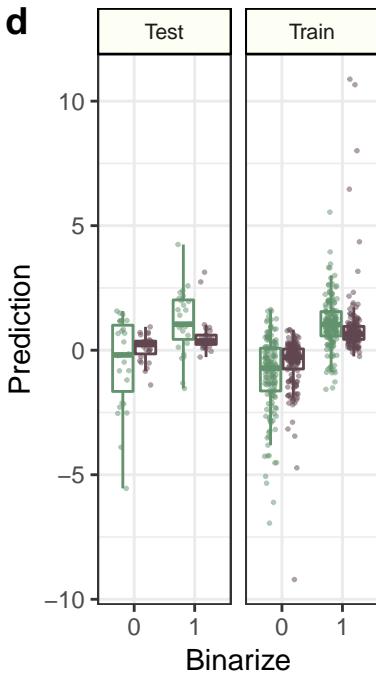
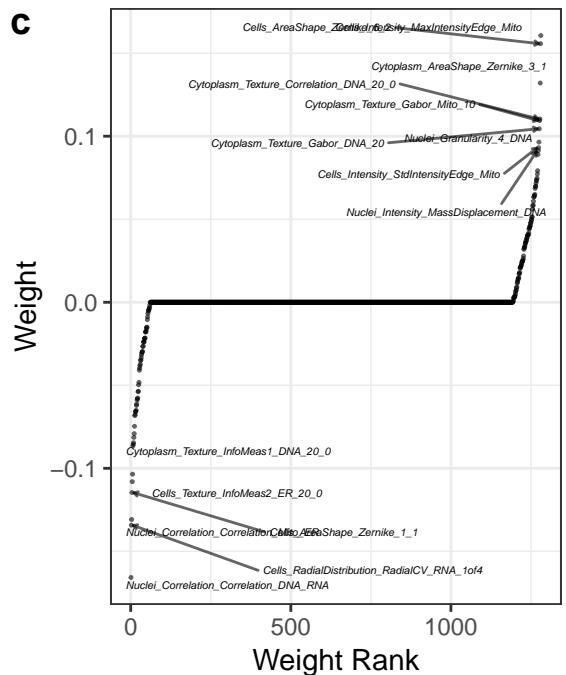
Test  
Train

Shuffled Data

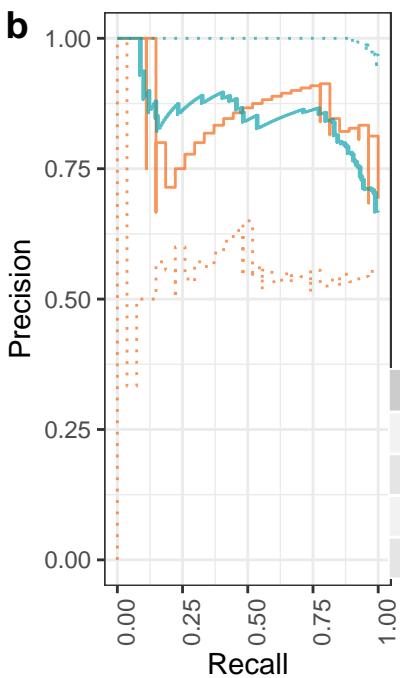
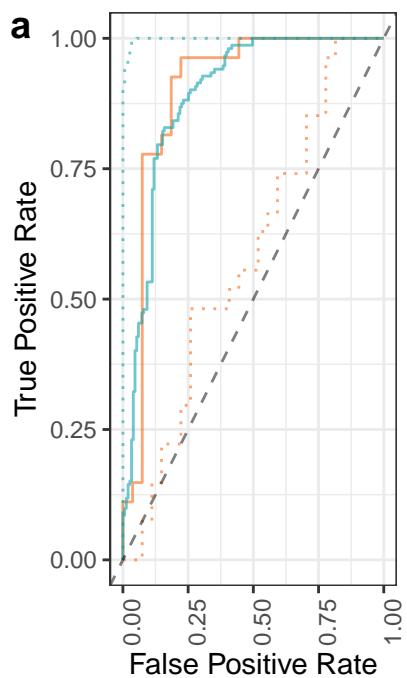
Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.89	0.88	True	False	151
Test	0.77	0.81	Test	False	151
Train	0.95	0.94	Train	True	151
Test	0.70	0.70	Test	True	151



# Performance: cc\_edu\_pos\_alexa647\_intensity\_nucleus\_area\_su

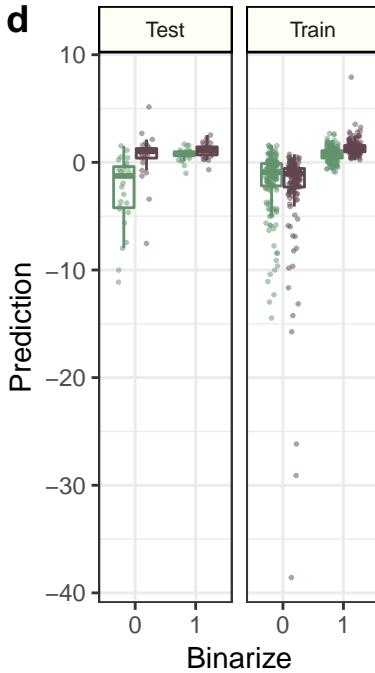
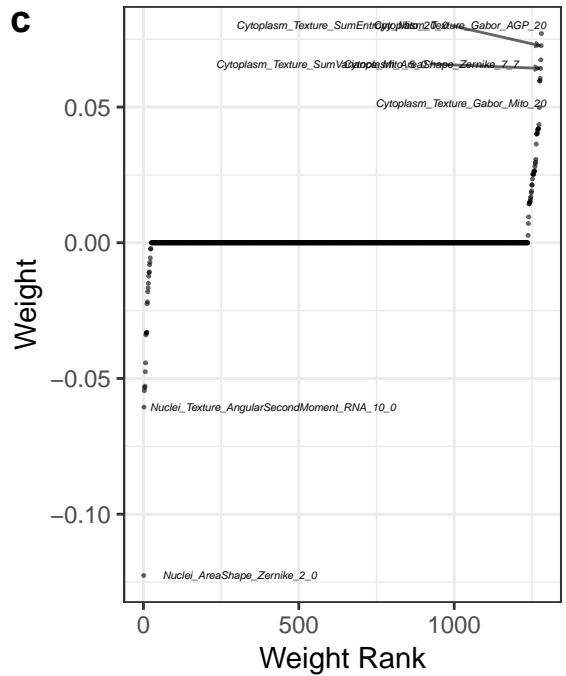


Shuffled Data

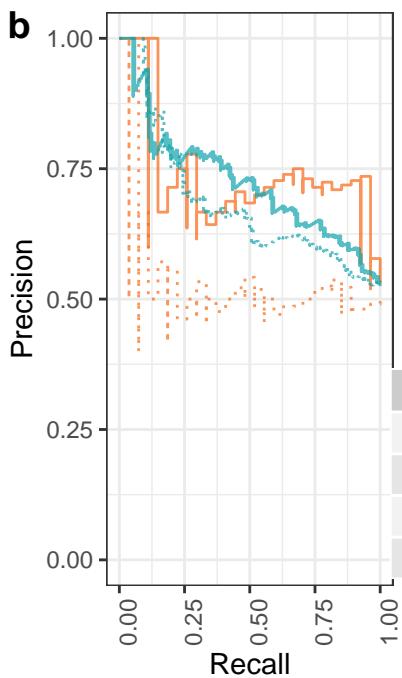
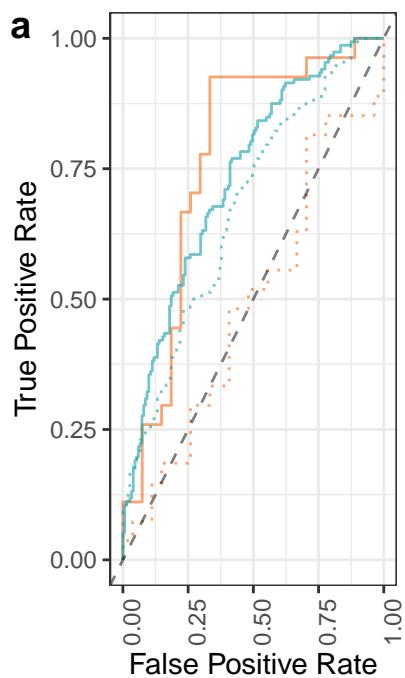
Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.89	0.86	True	False	151
Test	0.90	0.85	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.58	0.55	Test	True	151



# Performance: cc\_edu\_pos\_high\_n\_spots\_h2ax\_mean



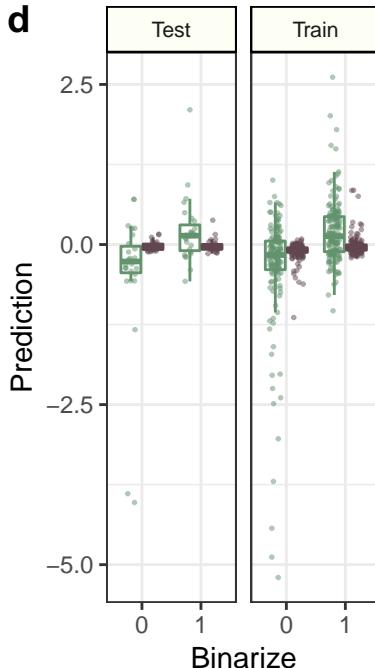
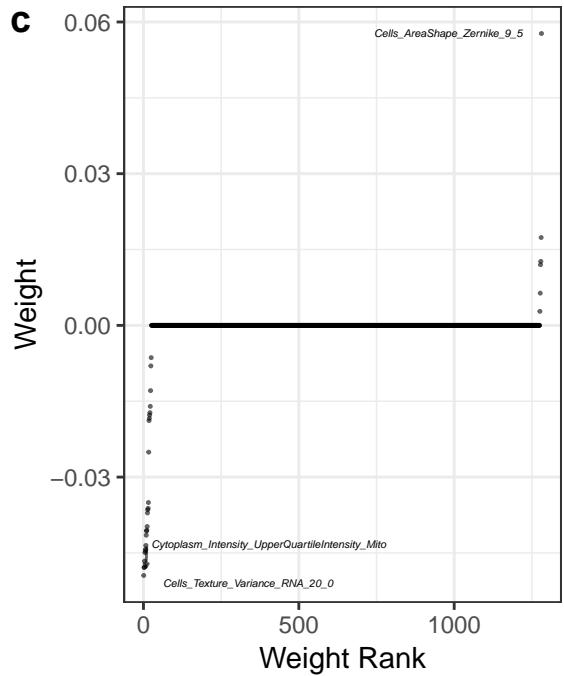
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.73	0.72	Train	False	151
Train	0.77	0.73	Test	False	151
True	0.67	0.68	Train	True	151
False	0.49	0.53	Test	True	151

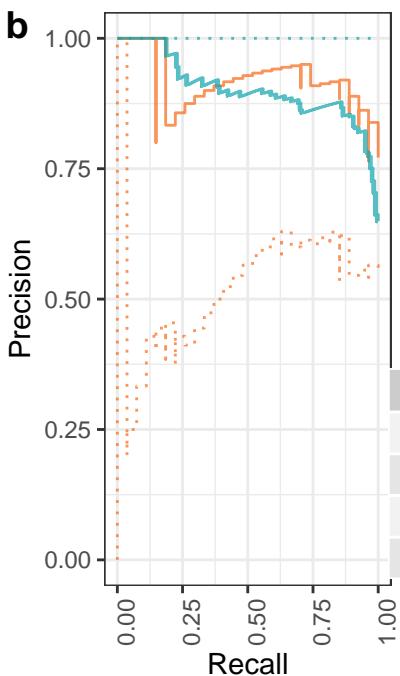
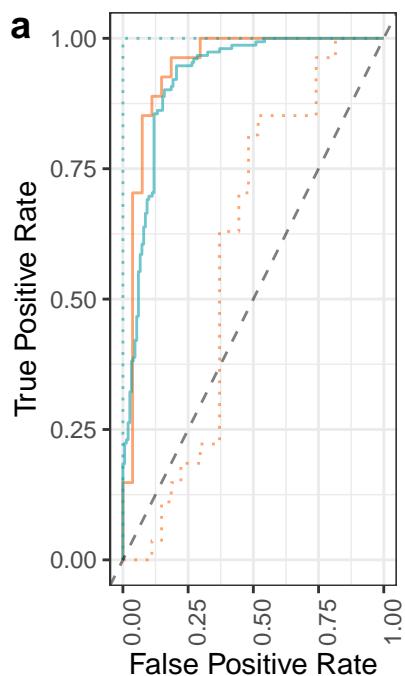


Shuffled

False

True

# Performance: cc\_edu\_pos\_n\_objects



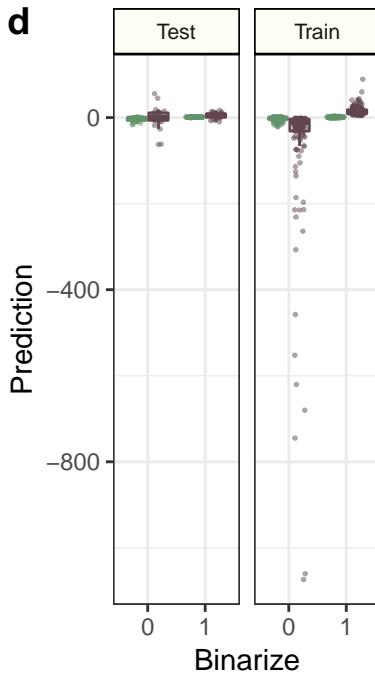
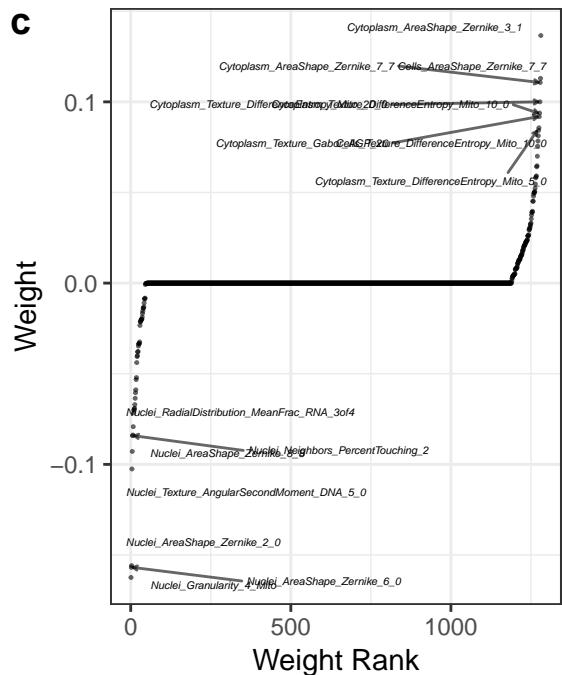
Test  
Train

Shuffled Data

Real

Shuffled

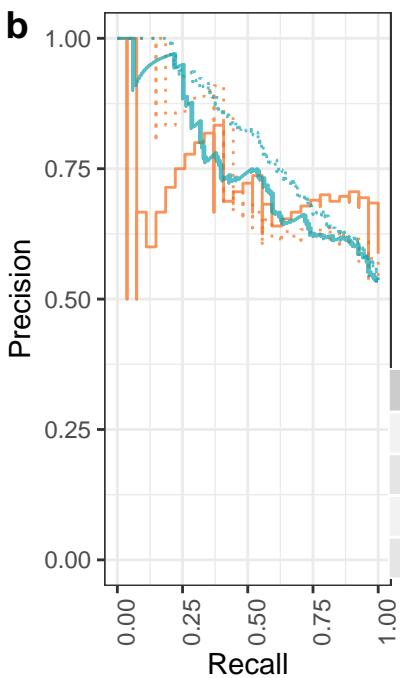
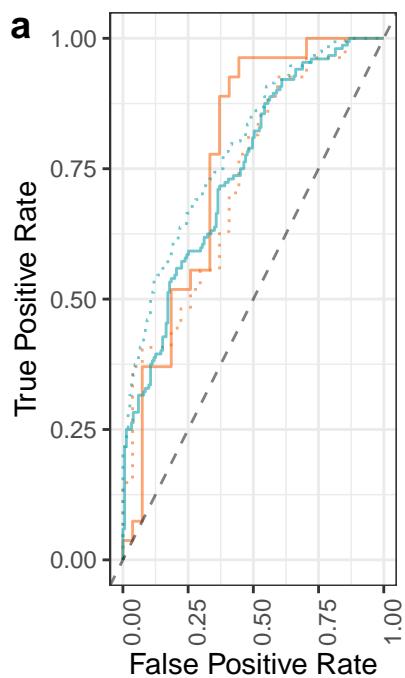
	auroc	aupr	fit	shuffle	n
Train	0.92	0.90	True	False	151
Test	0.94	0.92	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.59	0.52	Test	True	151



Shuffled

- False
- True

# Performance: cc\_edu\_pos\_n\_spots\_mean



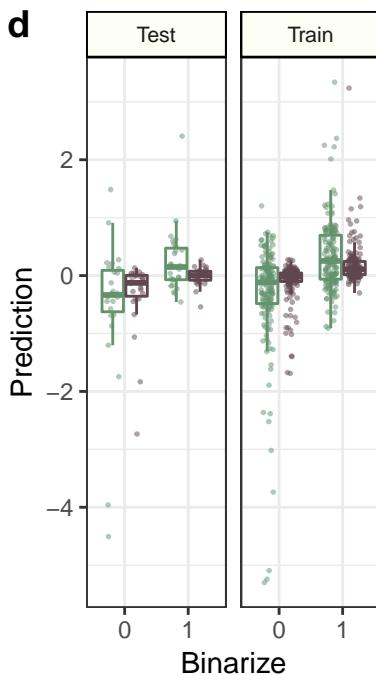
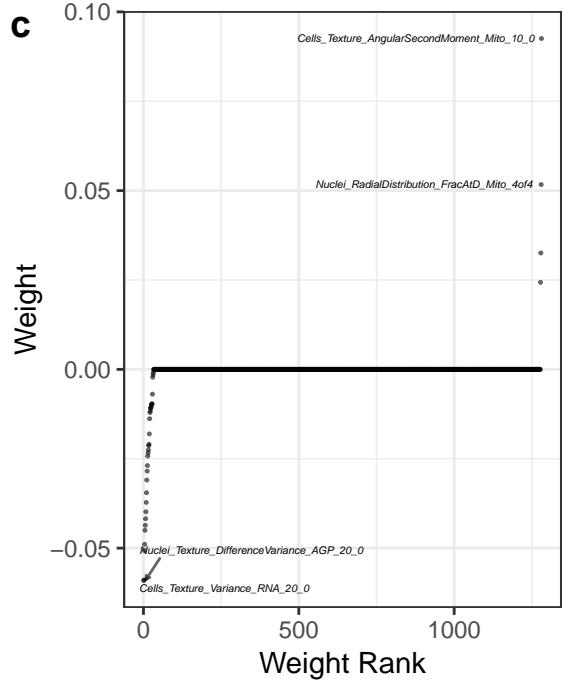
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.74	0.76	True	False	151
Test	0.77	0.71	Test	False	151
Train	0.79	0.81	Train	True	151
Test	0.73	0.75	Test	True	151

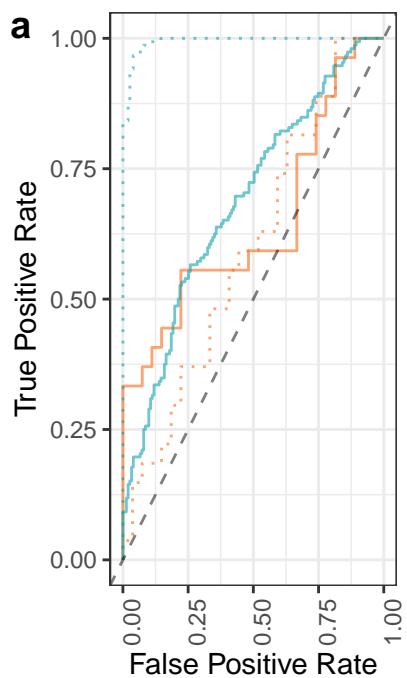


Shuffled

False

True

# Performance: cc\_edu\_pos\_n\_spots\_per\_nucleus\_area\_mean



Shuffled Data

Real

Shuffled

auroc

aupr

fit

shuffle

n

0.69

0.70

Train

False

151

0.64

0.73

Test

False

151

0.99

0.99

Train

True

151

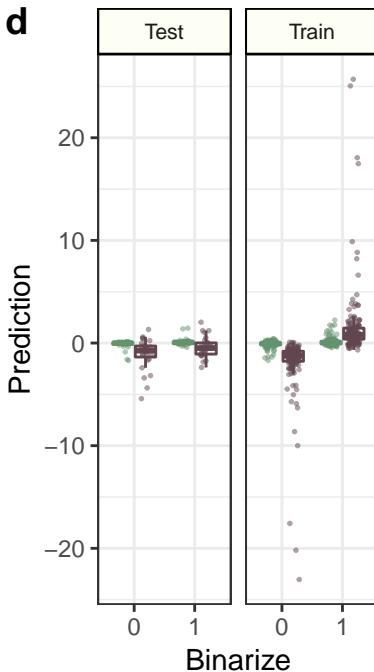
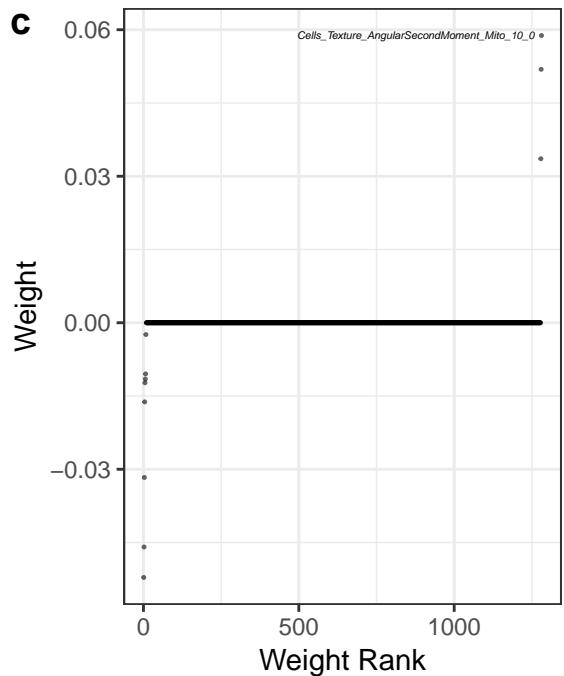
0.60

0.61

Test

True

151

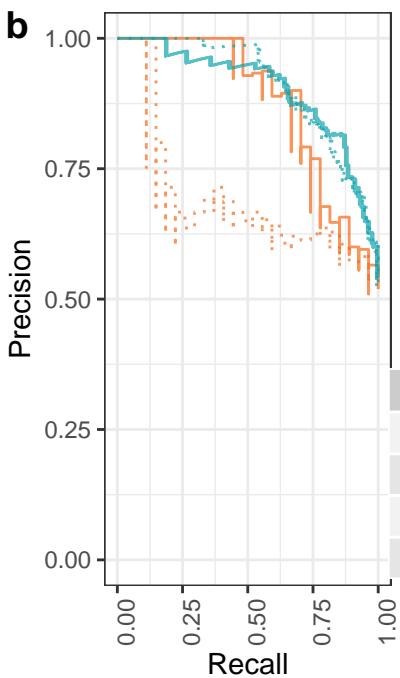
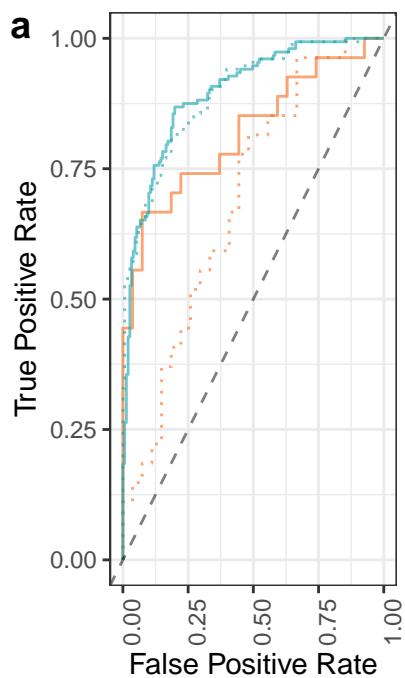


Shuffled

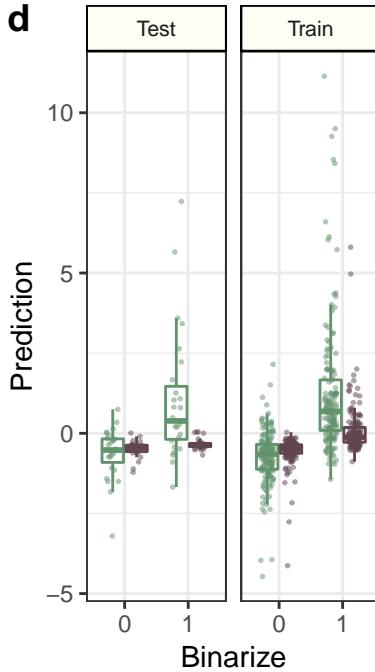
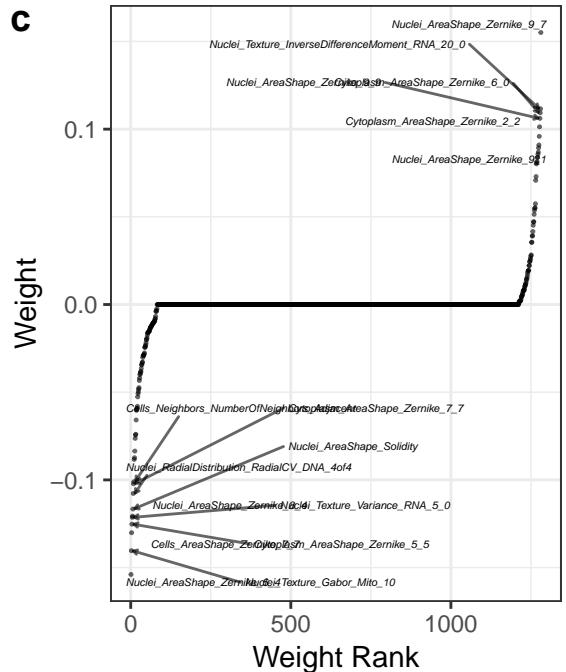
False

True

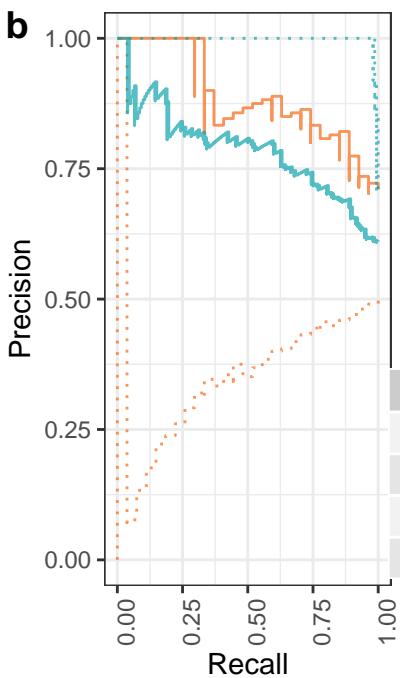
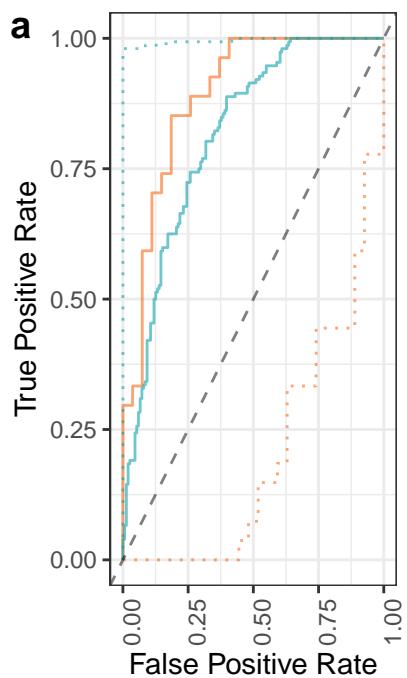
# Performance: cc\_g1\_high\_n\_spots\_h2ax\_mean



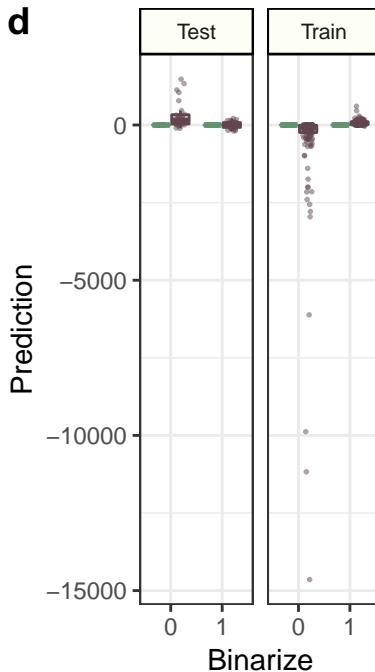
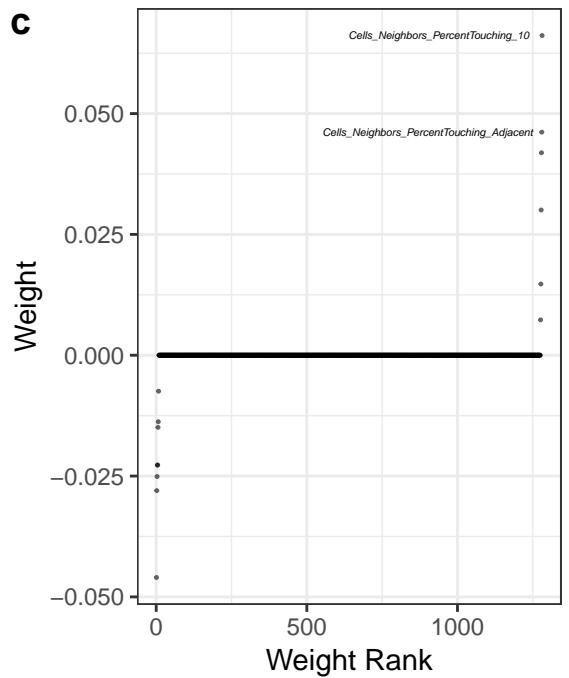
	auroc	aupr	fit	shuffle	n
Train	0.90	0.90	True	False	151
Test	0.82	0.86	Test	False	151
Train	0.89	0.91	Train	True	151
Test	0.69	0.68	Test	True	151



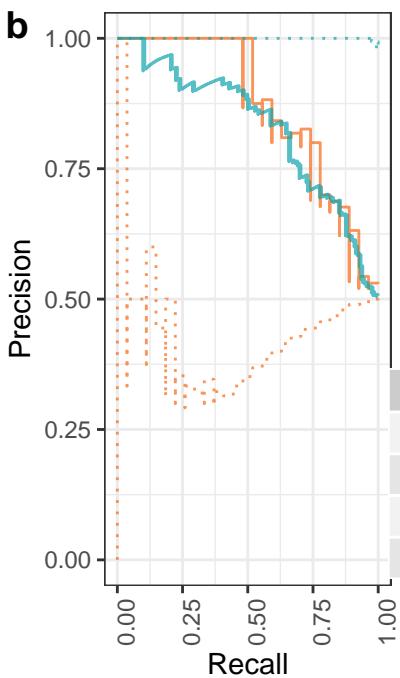
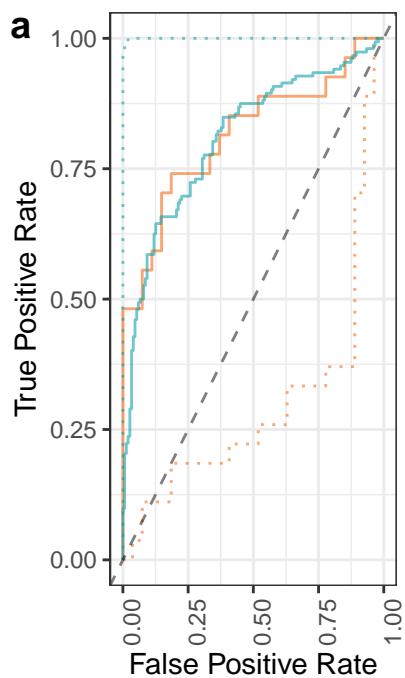
# Performance: cc\_g1\_n\_objects



<b>Shuffled Data</b>					
—	Real	Train	Test	Shuffled	
···	Shuffled	Train	Test	Real	
<b>auroc</b>	0.81	0.79	Train	False	151
<b>aupr</b>	0.89	0.88	Test	False	151
<b>fit</b>	1.00	1.00	Train	True	151
<b>shuffle</b>	0.20	0.36	Test	True	151
<b>n</b>					



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



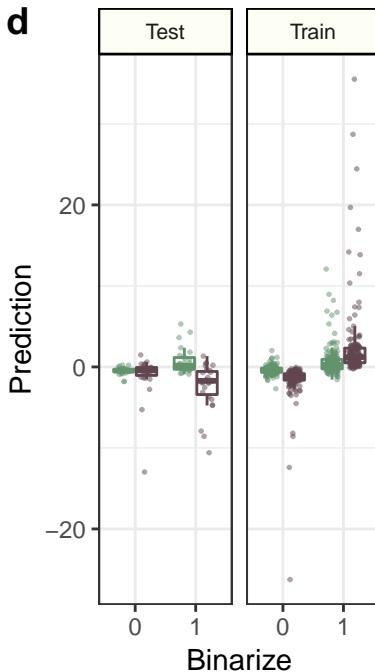
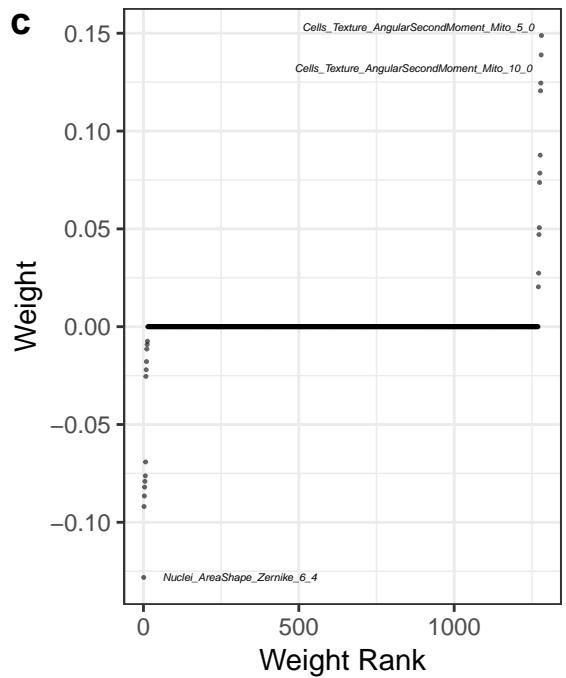
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.81	0.83	True	False	151
Test	0.81	0.86	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.29	0.43	Test	True	151

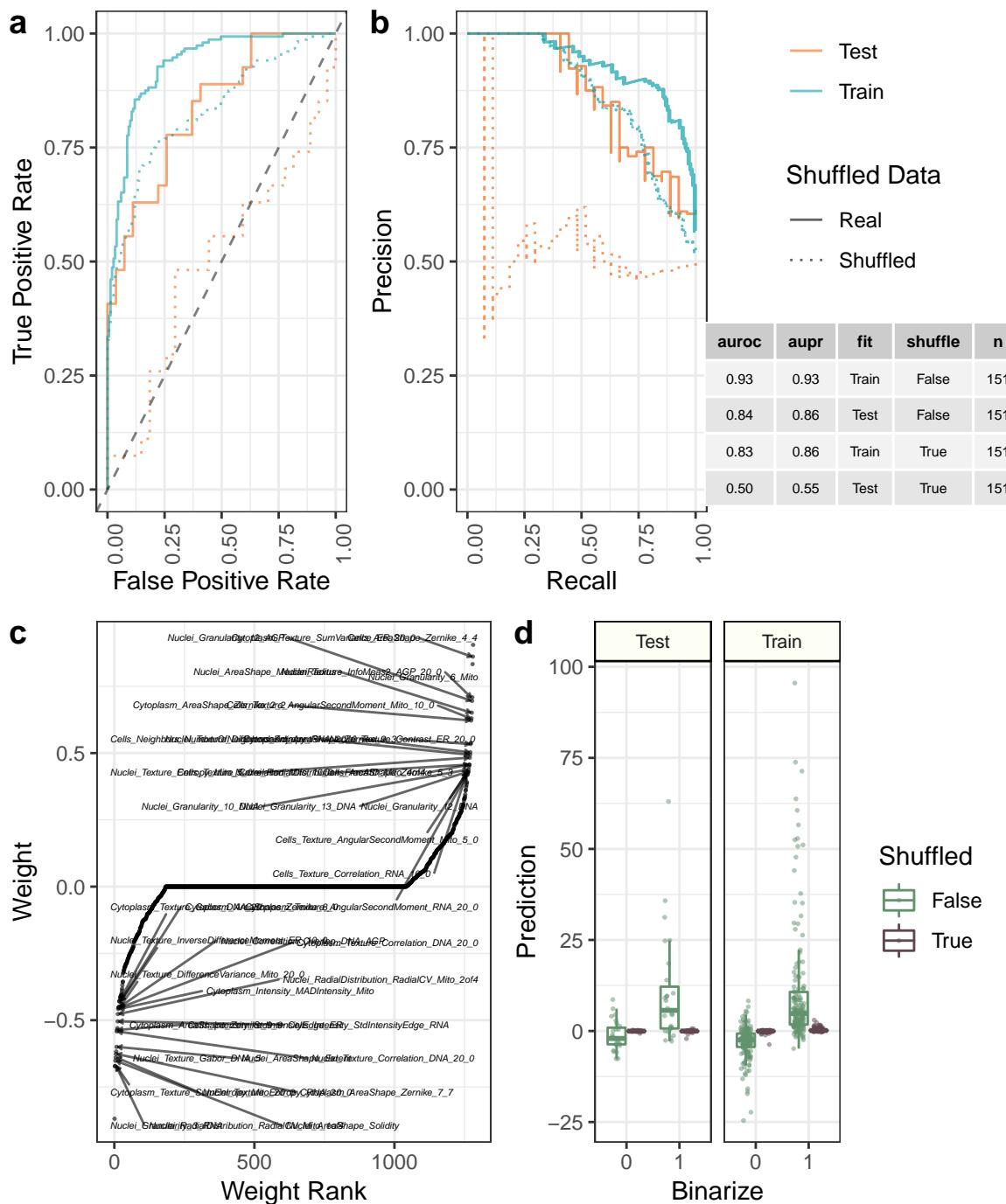


Shuffled

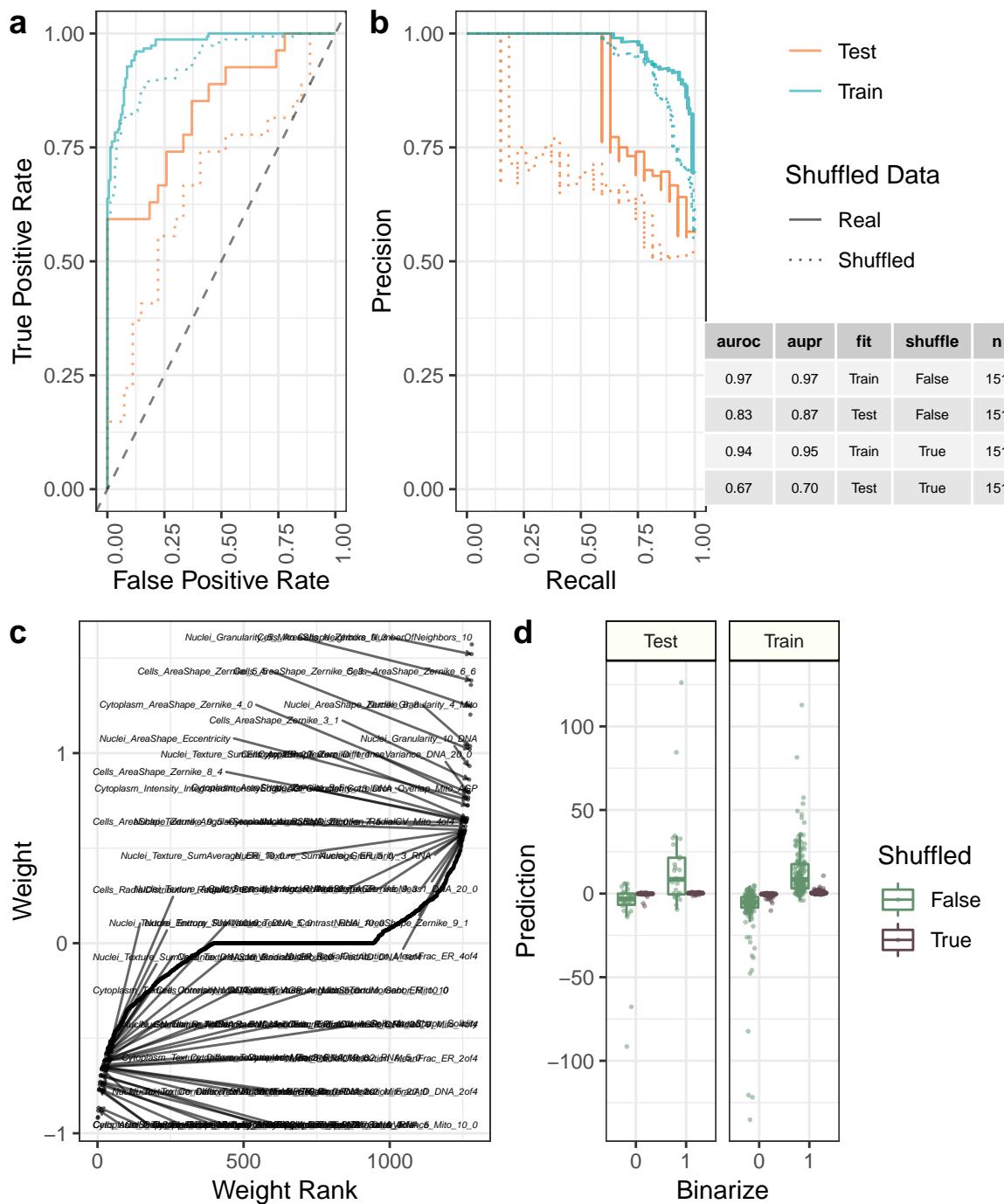
False

True

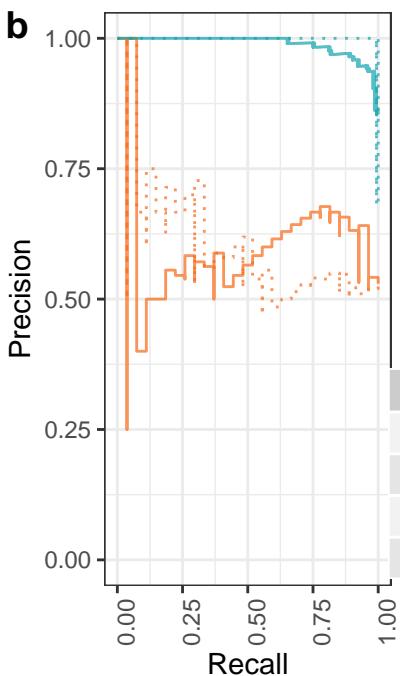
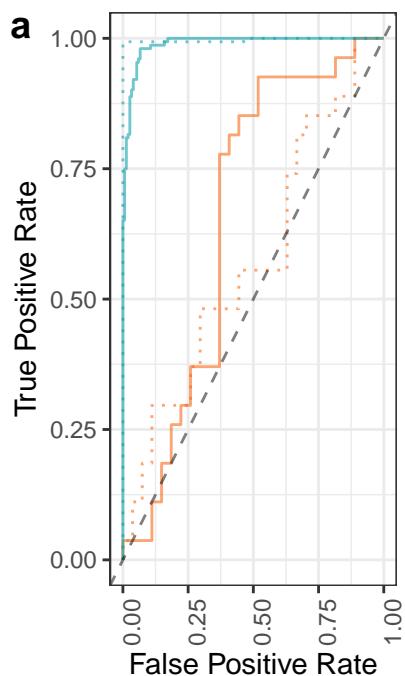
# Performance: cc\_g1\_n\_spots\_per\_nucleus\_area\_mean



# Performance: cc\_g1\_plus\_g2



# Performance: cc\_g2\_g1

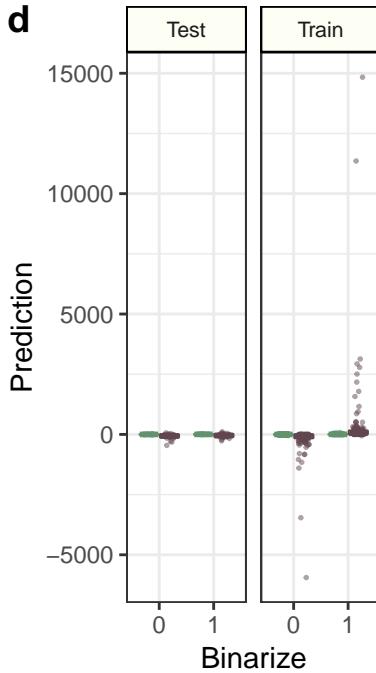
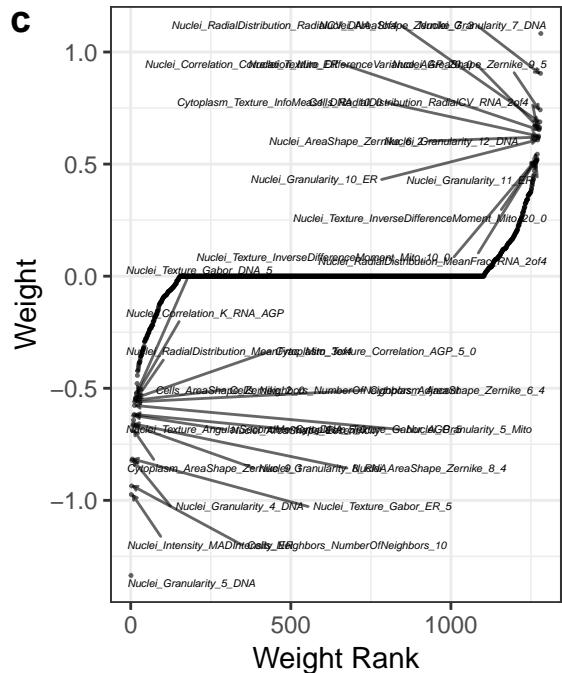


Test  
Train

Shuffled Data

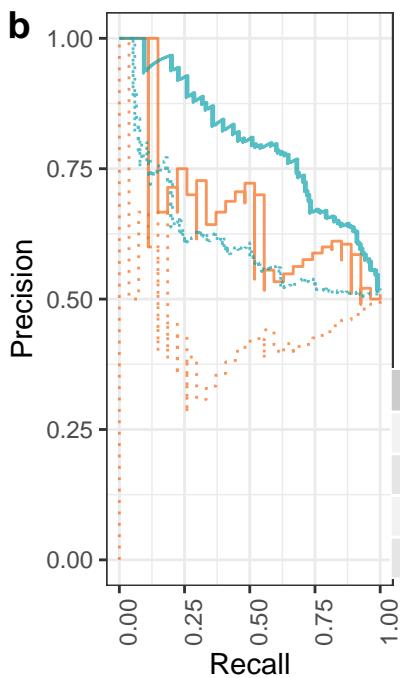
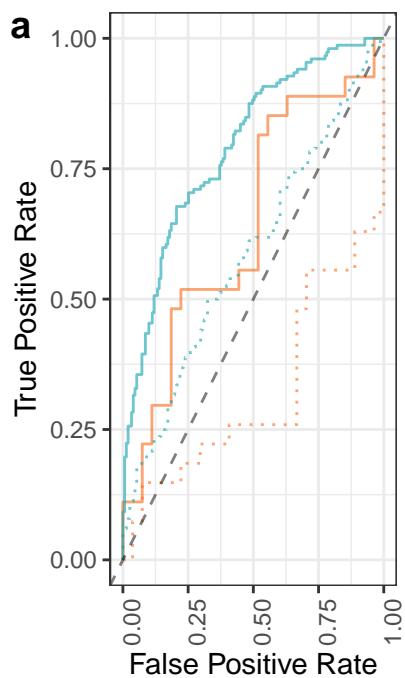
Real  
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.99	0.99	True	False	151
Test	0.66	0.60	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.57	0.60	Test	True	151



Shuffled  
False  
True

# Performance: cc\_g2\_ph3\_neg\_high\_n\_spots\_h2ax\_mean



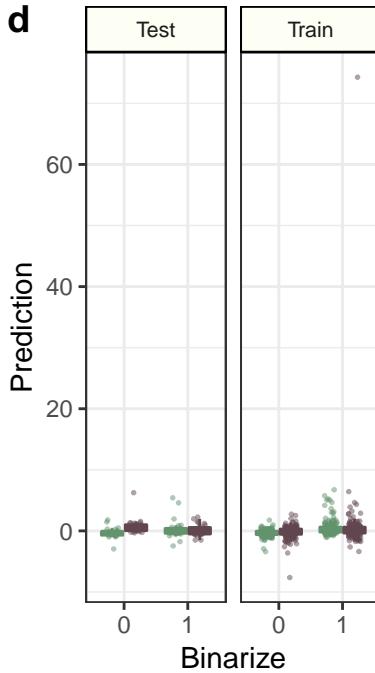
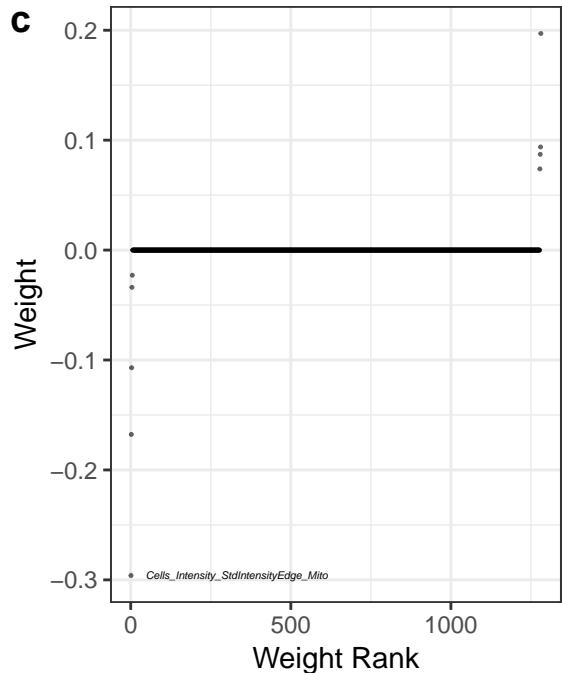
Test  
Train

Shuffled Data

Real

Shuffled

auroc	aupr	fit	shuffle	n
0.79	0.80	Train	False	151
0.64	0.67	Test	False	151
0.58	0.62	Train	True	151
0.32	0.45	Test	True	151

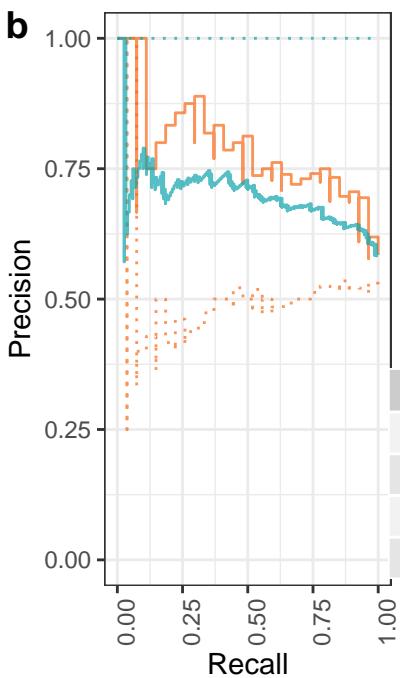
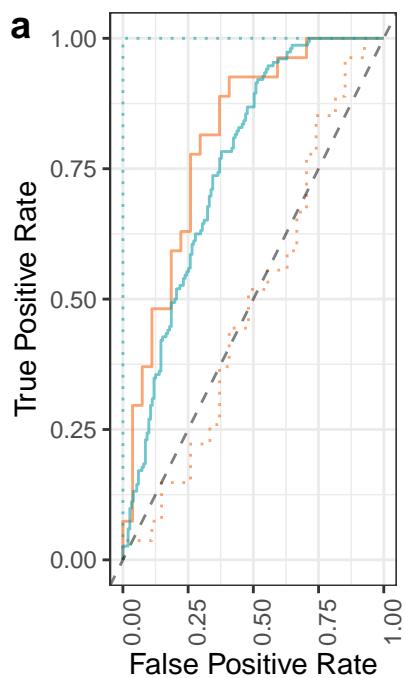


Shuffled

False

True

# Performance: cc\_g2\_ph3\_neg\_n\_objects

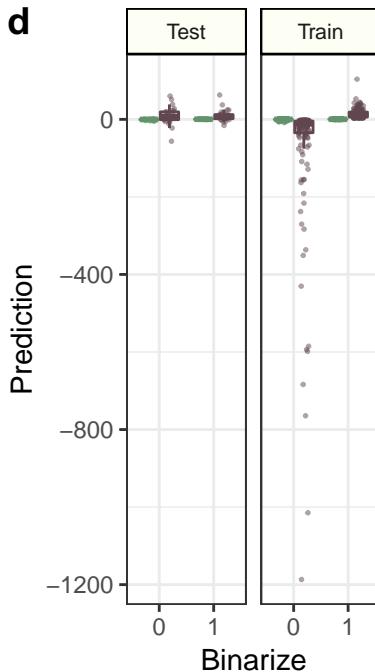
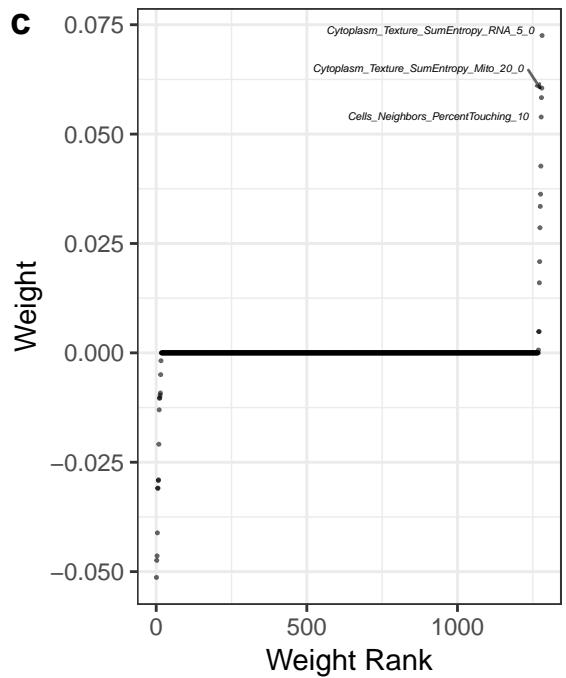


Test  
Train

Shuffled Data

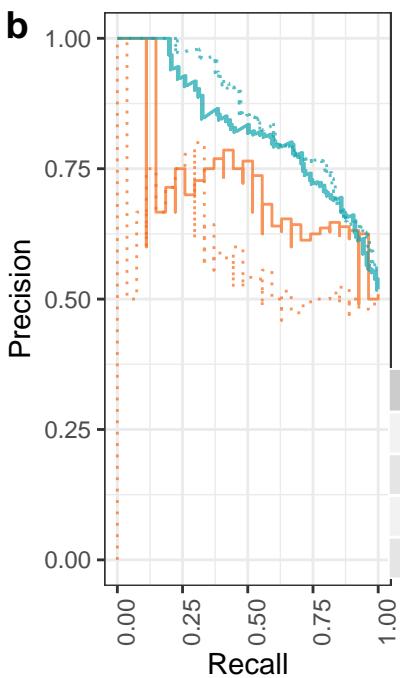
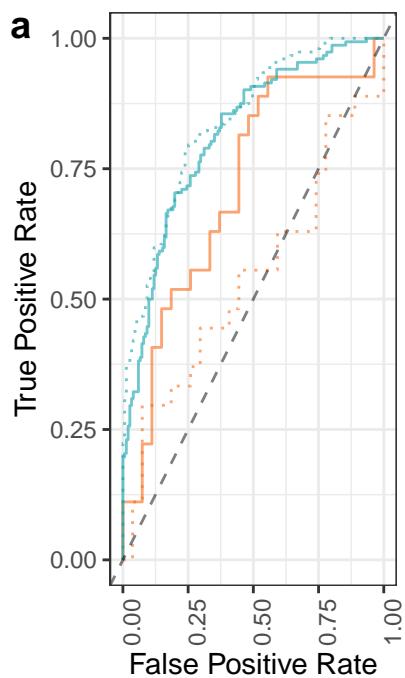
Real  
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.75	0.70	True	False	151
Test	0.81	0.78	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.49	0.51	Test	True	151



Shuffled  
False  
True

# Performance: cc\_g2\_ph3\_neg\_n\_spots\_mean



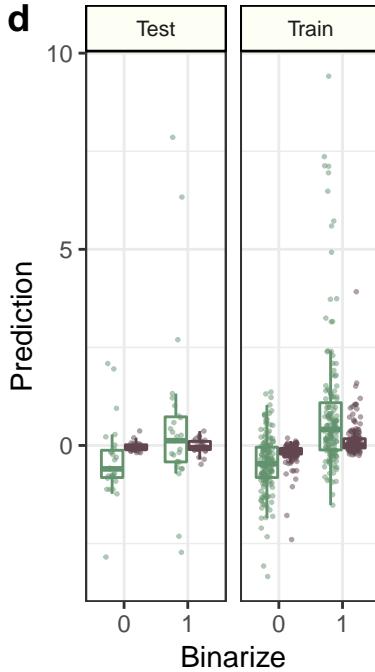
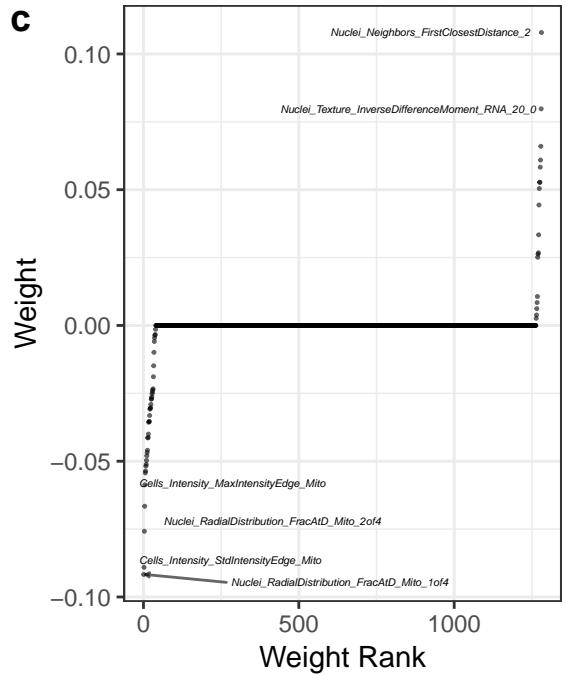
Test  
Train

Shuffled Data

Real

Shuffled

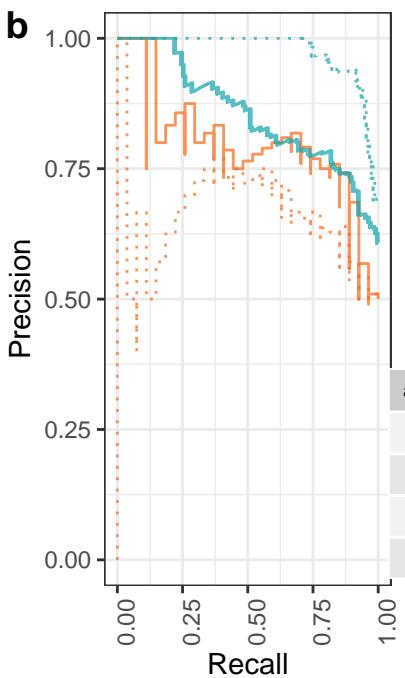
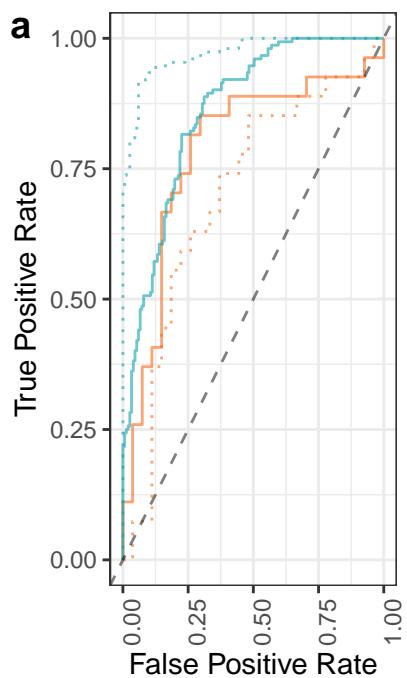
	auroc	aupr	fit	shuffle	n
Test	0.82	0.82	Train	False	151
Train	0.71	0.71	Test	False	151
Real	0.84	0.85	Train	True	151
Shuffled	0.54	0.58	Test	True	151



Shuffled

False  
True

# Performance: cc\_g2\_ph3\_neg\_n\_spots\_per\_nucleus\_area\_mean

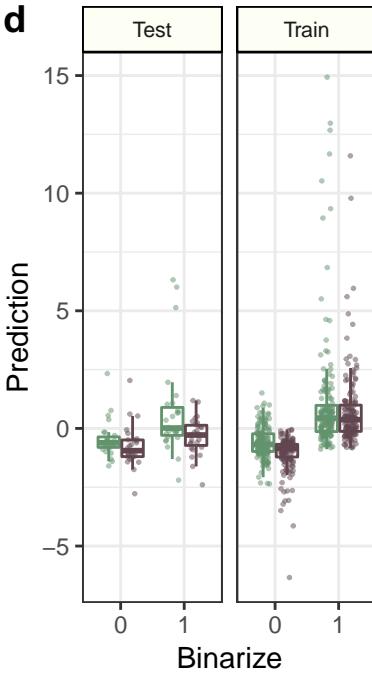
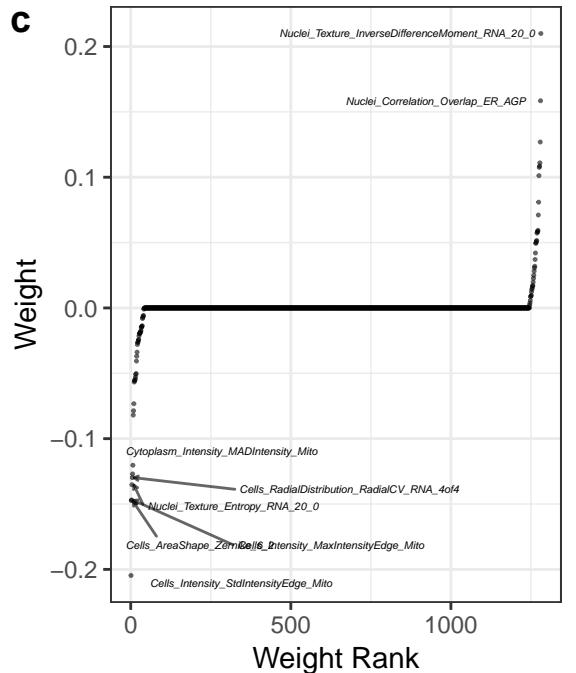


Shuffled Data

Real

Shuffled

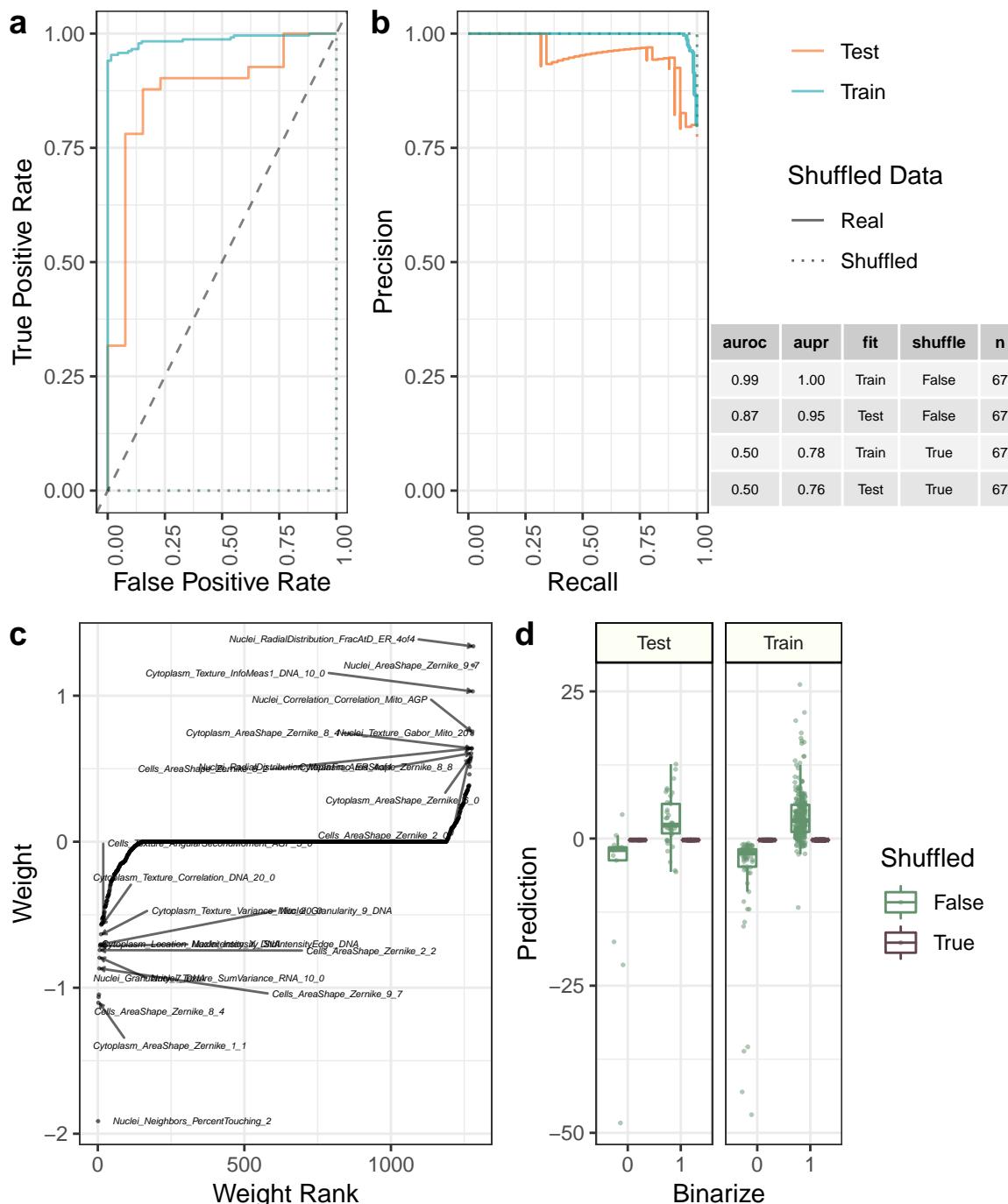
	auroc	aupr	fit	shuffle	n
Train	0.86	0.85	True	False	151
Test	0.79	0.78	Test	False	151
Train	0.97	0.97	Train	True	151
Test	0.70	0.65	Test	True	151



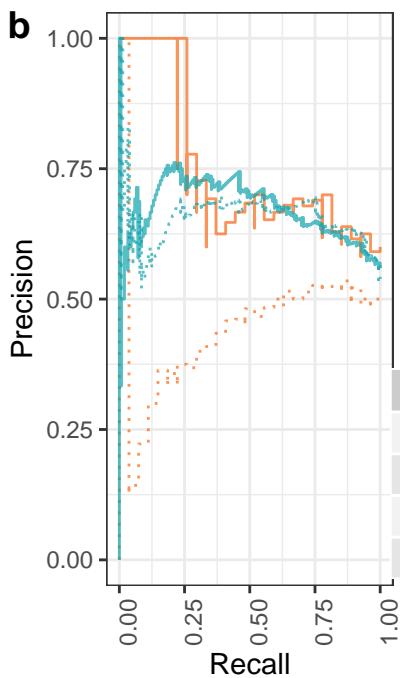
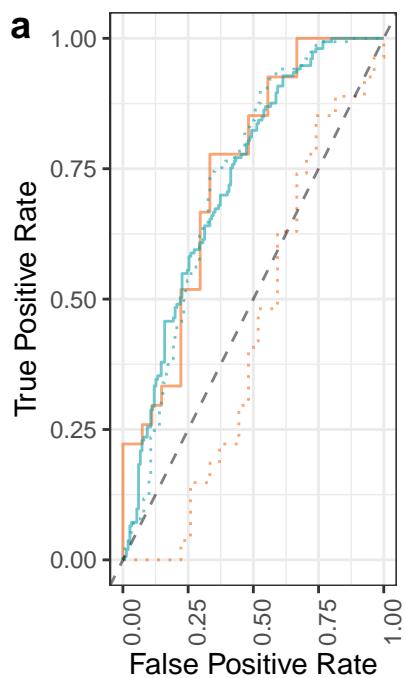
Shuffled

- False
- True

# Performance: cc\_g2\_ph3\_pos\_high\_n\_spots\_h2ax\_mean



# Performance: cc\_g2\_ph3\_pos\_n\_objects

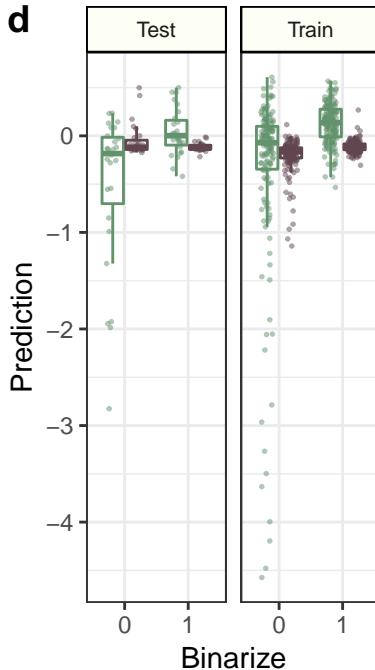
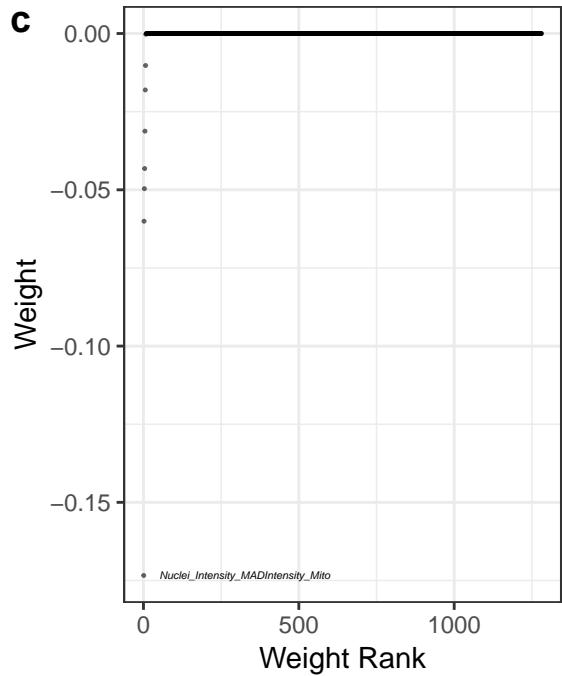


Test  
Train

Shuffled Data

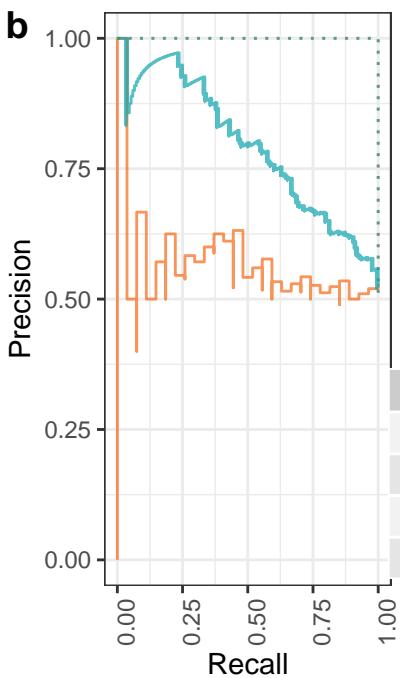
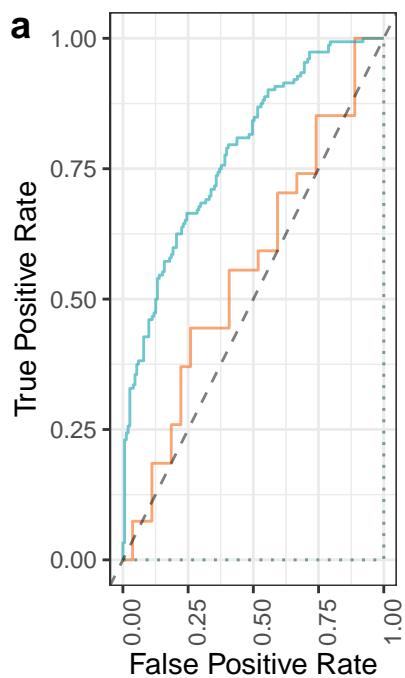
Real  
Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.73	0.67	Train	False	150
Train	0.74	0.74	Test	False	150
Real	0.72	0.66	Train	True	150
Shuffled	0.43	0.44	Test	True	150



Shuffled  
False  
True

# Performance: cc\_g2\_ph3\_pos\_n\_spots\_mean



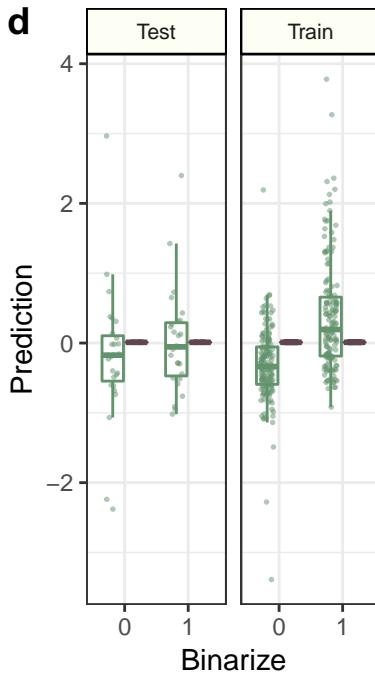
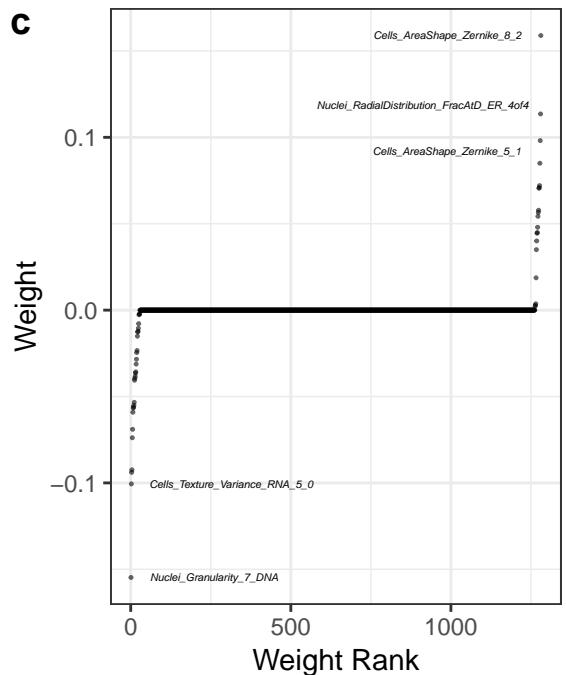
Test  
Train

Shuffled Data

Real

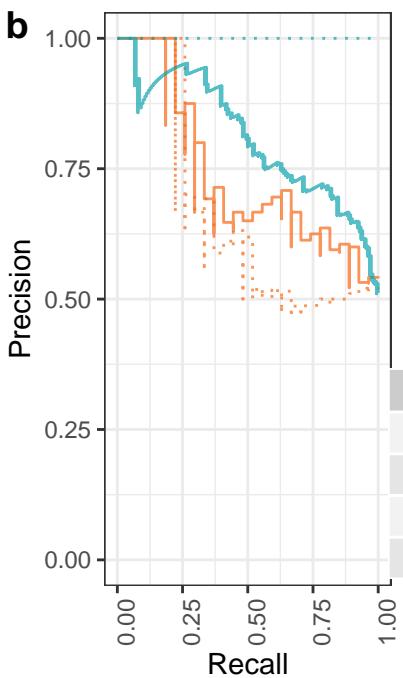
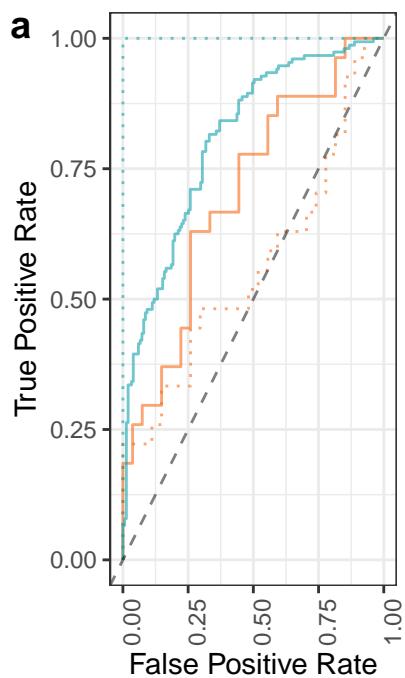
Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.78	0.79	Train	False	151
Train	0.56	0.56	Test	False	151
True	0.50	0.50	Train	True	151
False	0.50	0.50	Test	True	151



Shuffled  
False  
True

# Performance: cc\_g2\_ph3\_pos\_n\_spots\_per\_nucleus\_area\_mean



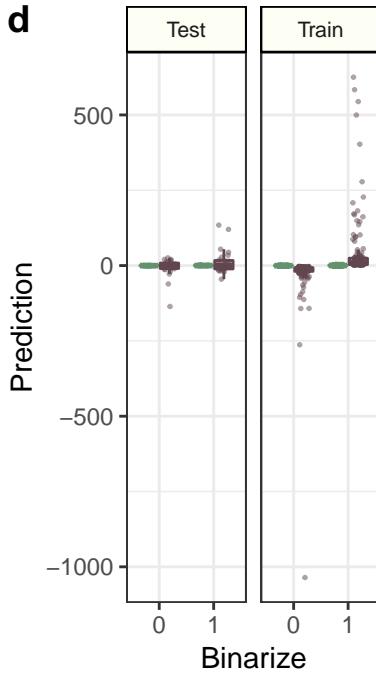
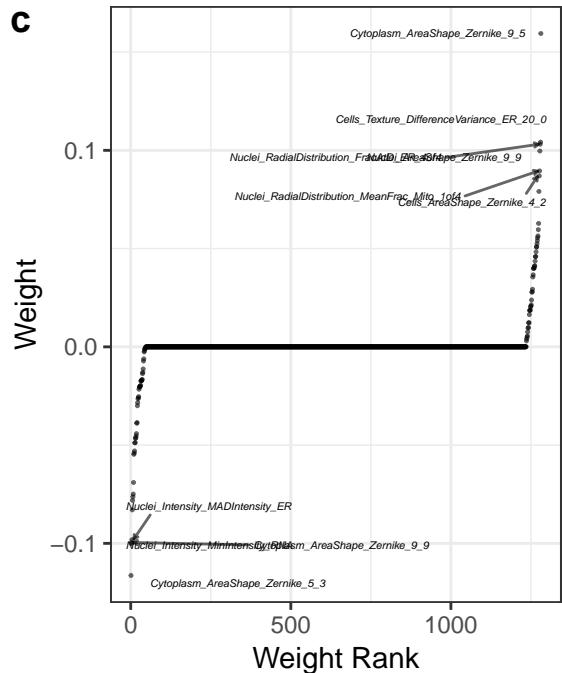
Test  
Train

Shuffled Data

Real

Shuffled

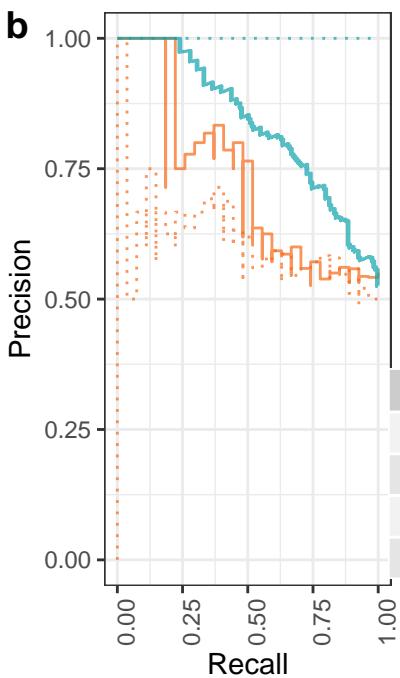
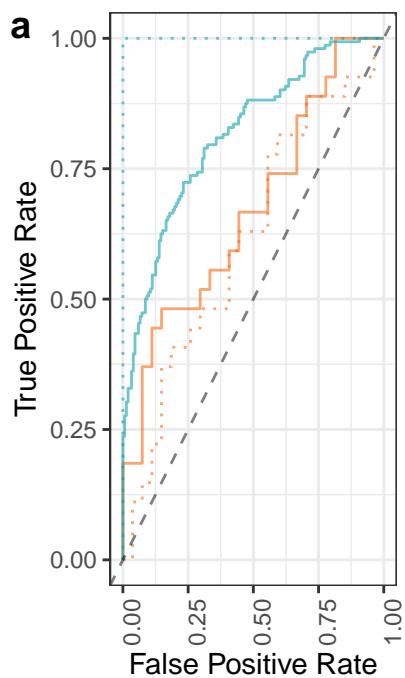
	auroc	aupr	fit	shuffle	n
Train	0.81	0.81	True	False	151
Test	0.70	0.73	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.56	0.65	Test	True	151



Shuffled

- False
- True

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



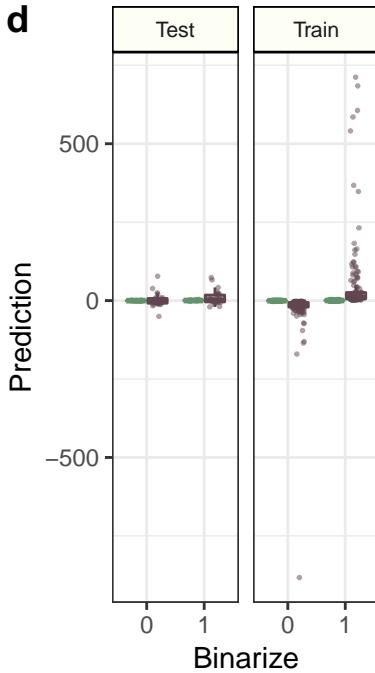
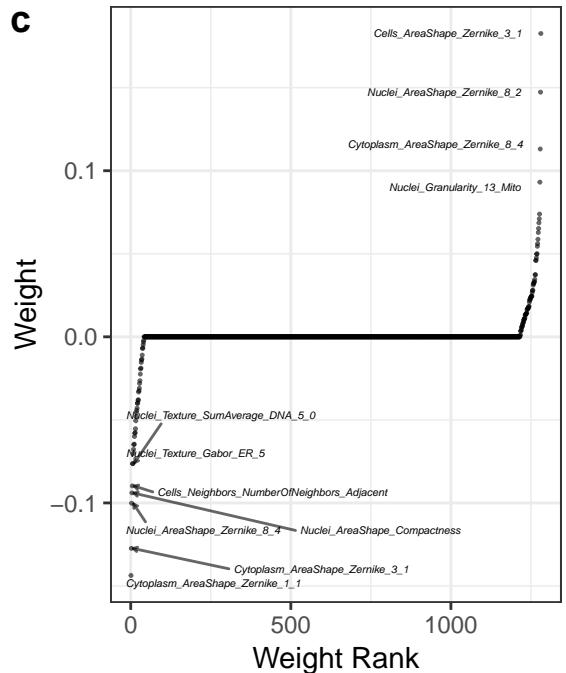
Test  
Train

Shuffled Data

Real

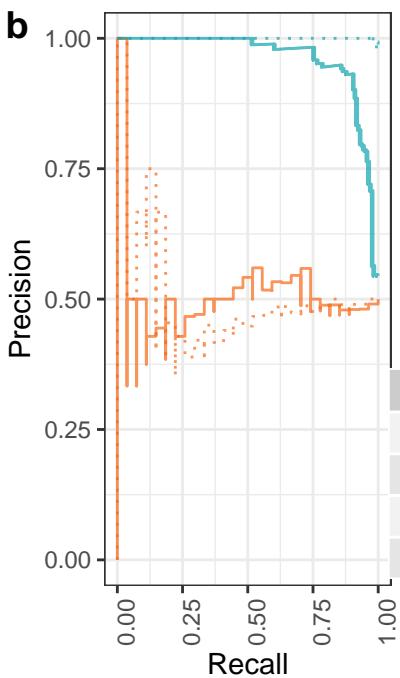
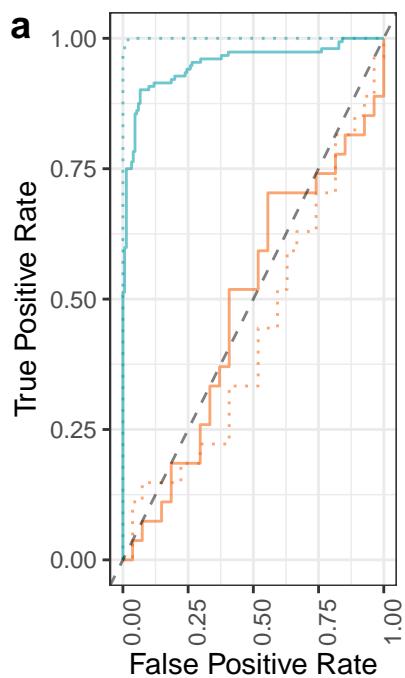
Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.81	0.83	Train	False	151
Train	0.67	0.72	Test	False	151
True	1.00	1.00	Train	True	151
False	0.61	0.60	Test	True	151

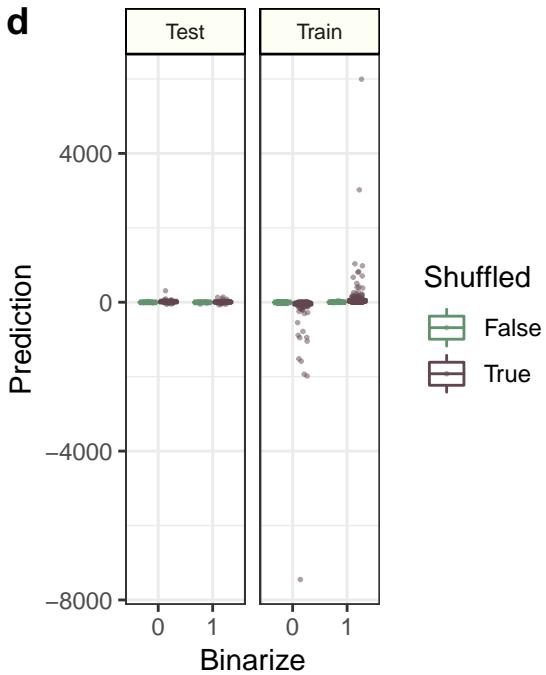
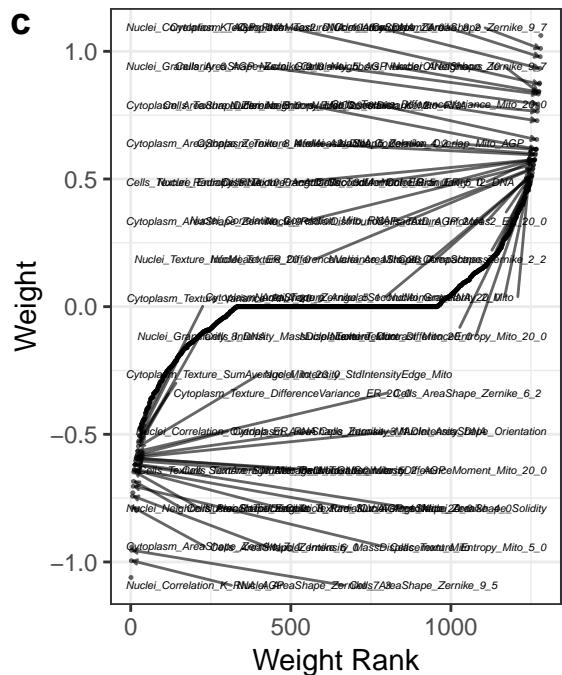


Shuffled  
False  
True

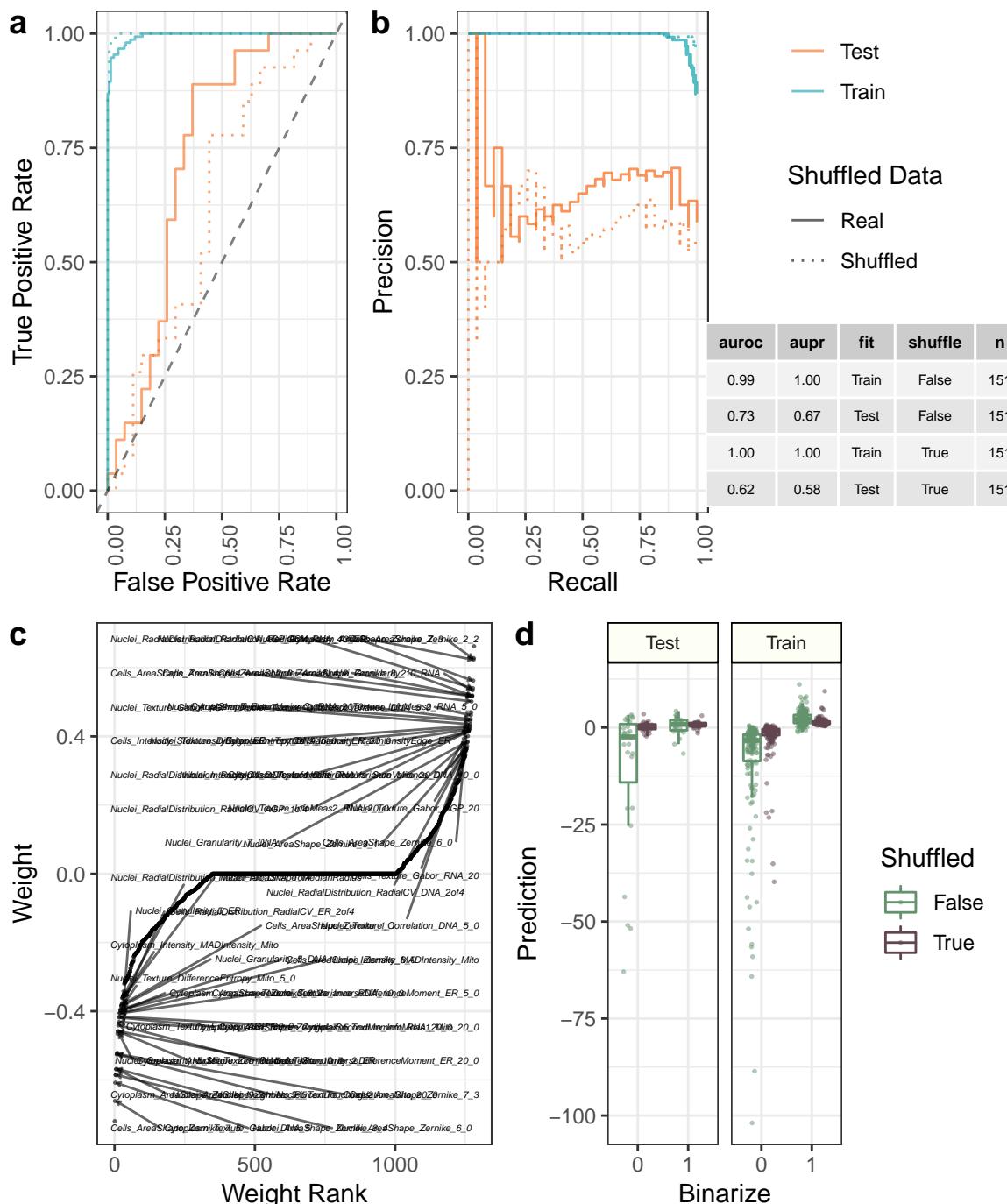
# Performance: cc\_infection\_percentage



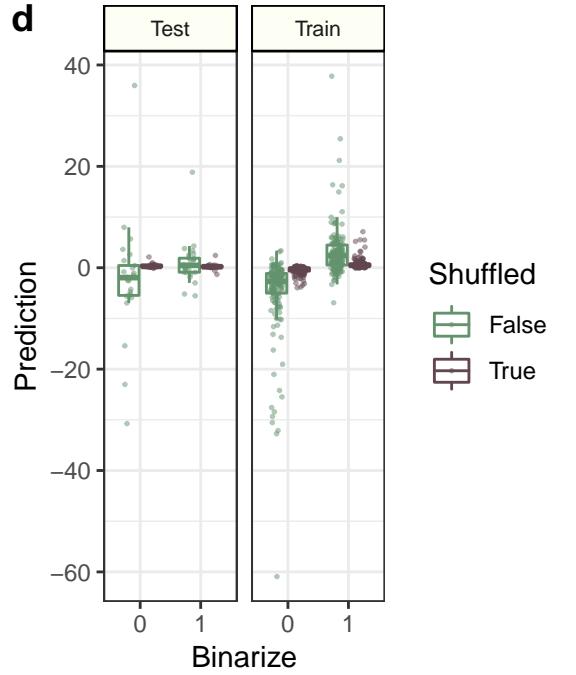
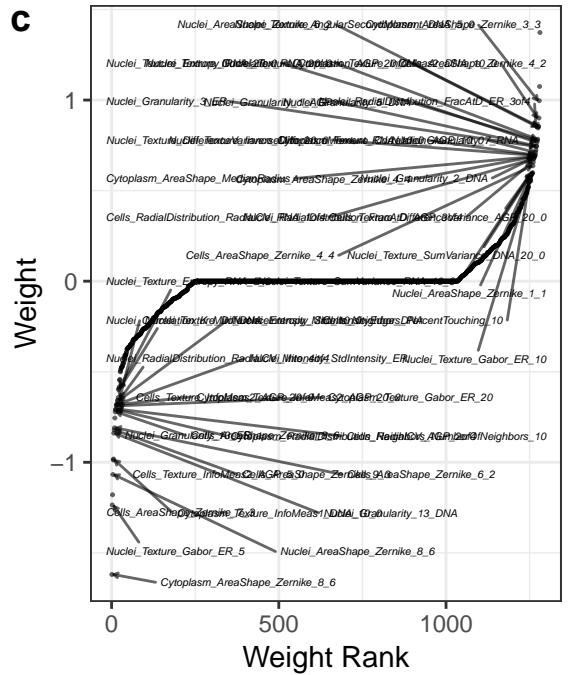
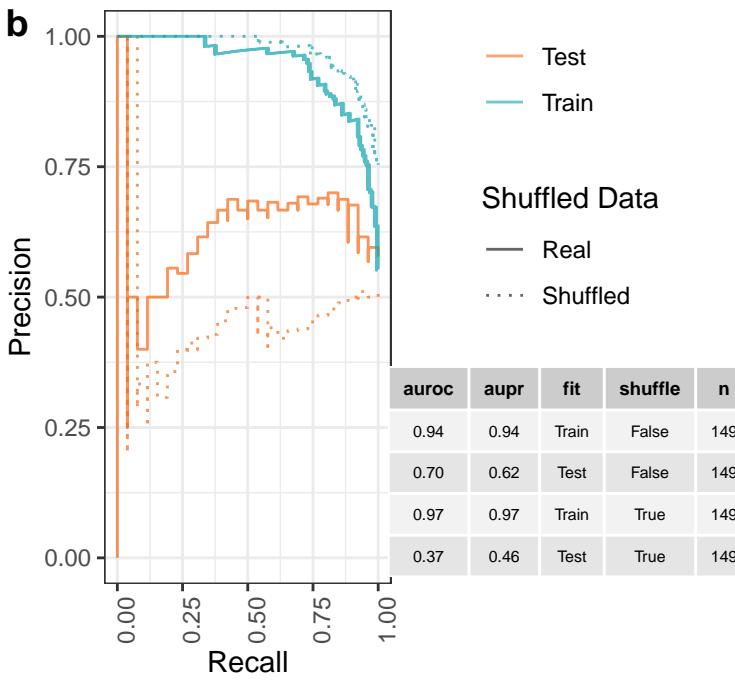
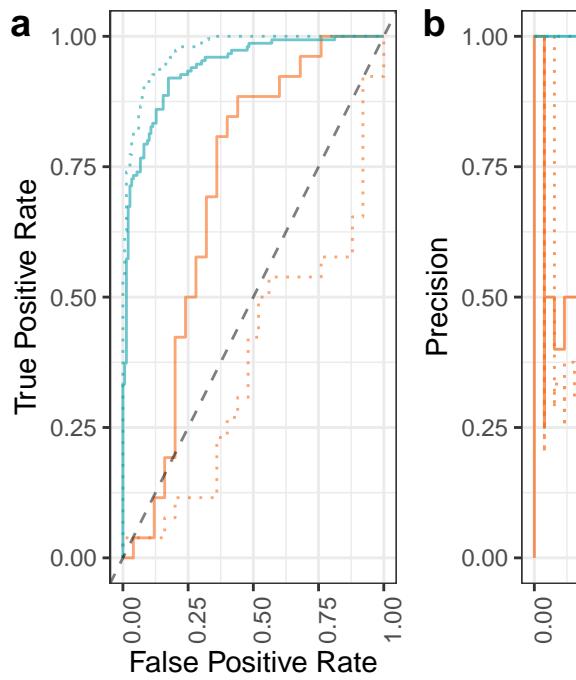
Shuffled Data		Test		Train	
Real	Shuffled	Real	Shuffled	Real	Shuffled
auroc	0.95	0.96	Train	False	151
aupr	0.49	0.50	Test	False	151
fit	1.00	1.00	Train	True	151
shuffle	0.43	0.49	Test	True	151
n					



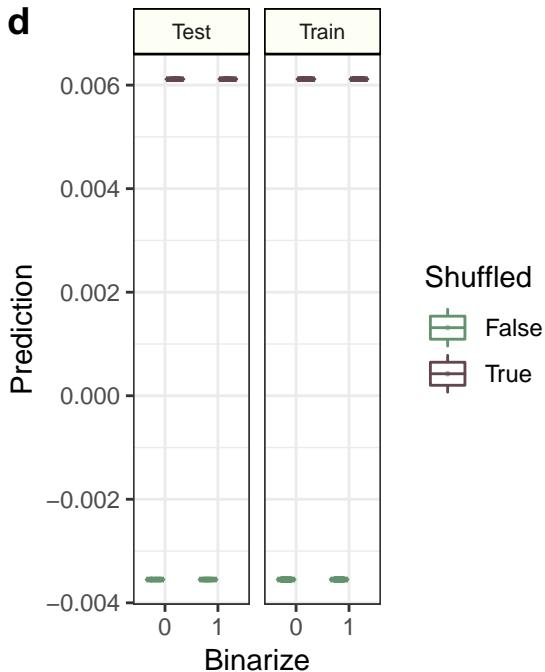
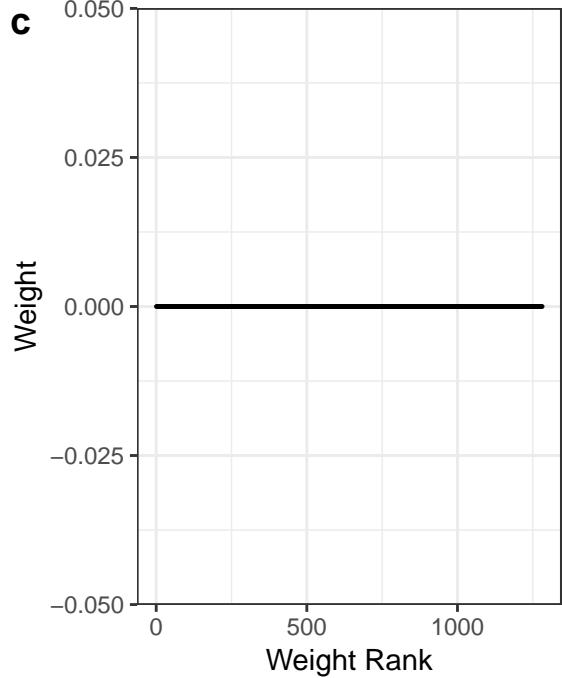
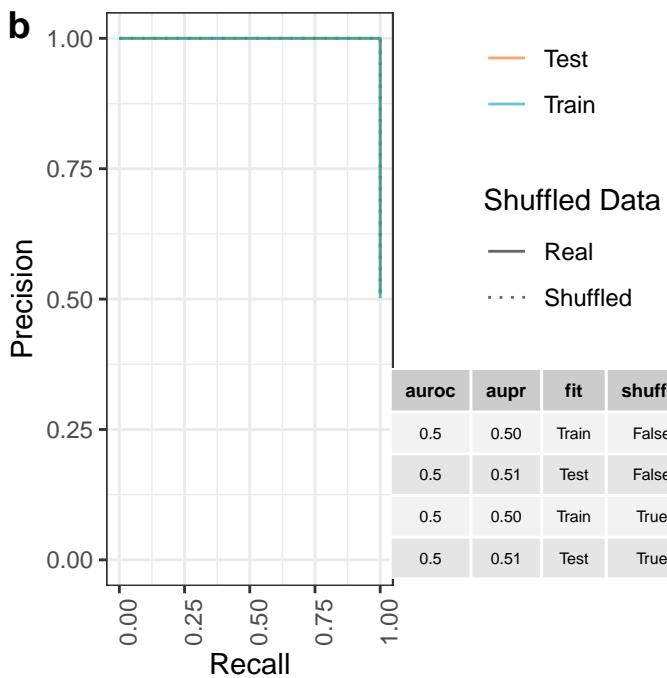
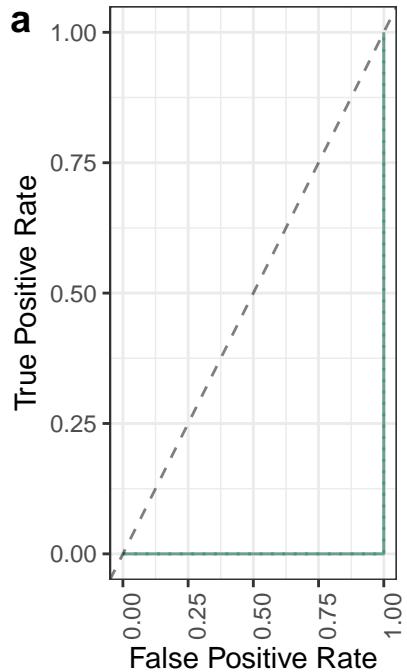
# Performance: cc\_mitosis\_ph3\_neg\_n\_objects



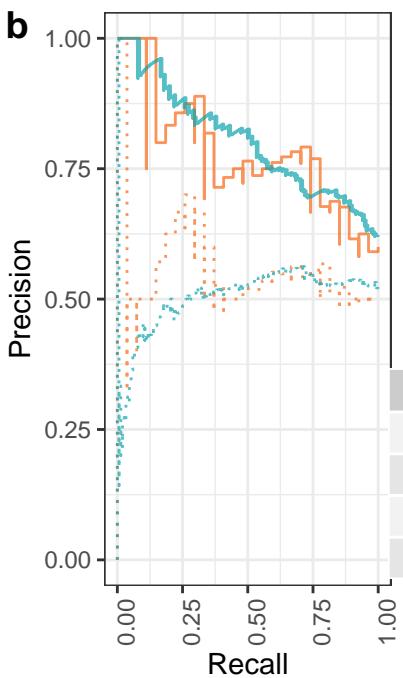
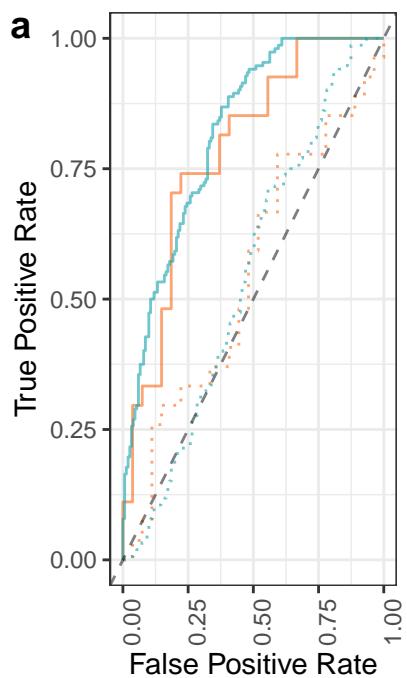
## Performance: cc\_mitosis\_ph3\_neg\_n\_spots\_mean



# Performance: cc\_mitosis\_ph3\_neg\_n\_spots\_per\_nucleus\_area\_



# Performance: cc\_mitosis\_ph3\_pos\_n\_objects



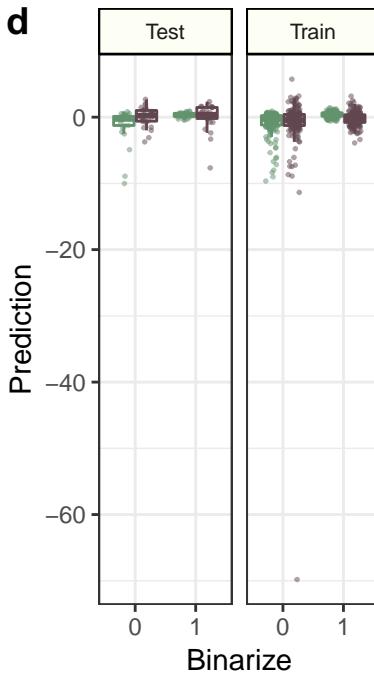
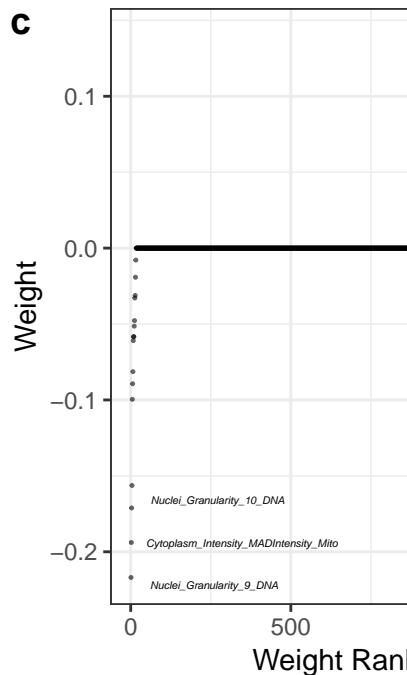
Test  
Train

Shuffled Data

Real

Shuffled

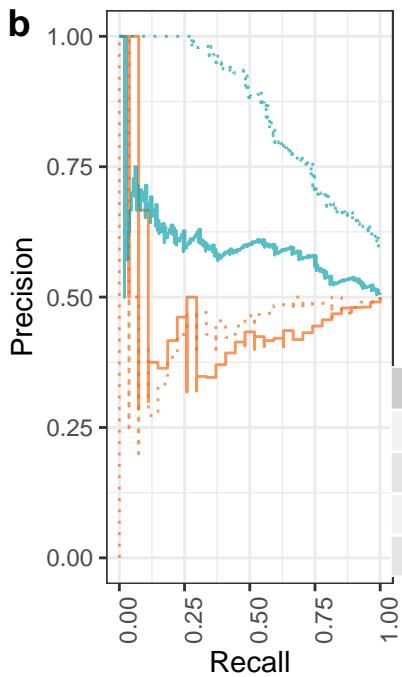
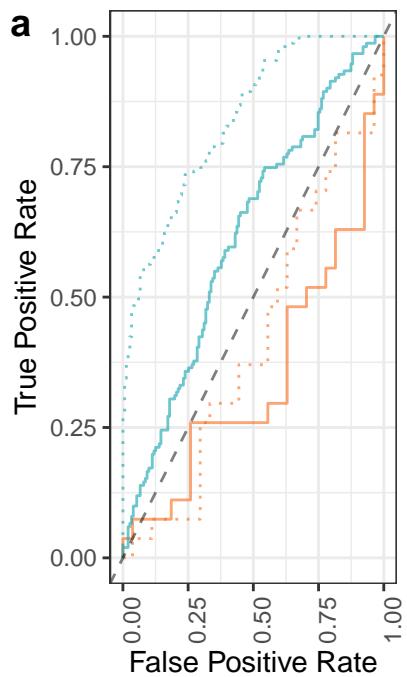
	auroc	aupr	fit	shuffle	n
Test	0.82	0.80	Train	False	151
Train	0.79	0.77	Test	False	151
Real	0.55	0.50	Train	True	151
Shuffled	0.55	0.55	Test	True	151



Shuffled

- False
- True

## Performance: cc\_mitosis\_ph3\_pos\_n\_spots\_mean

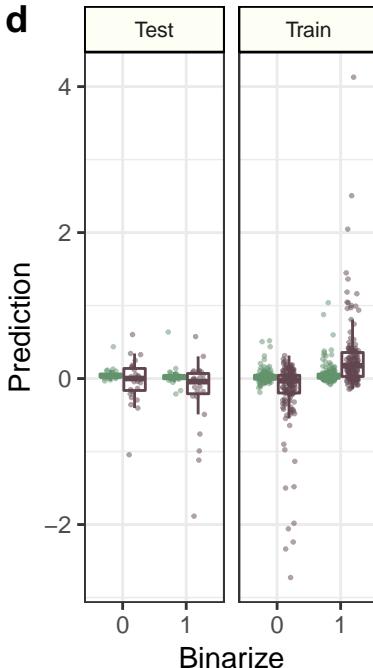
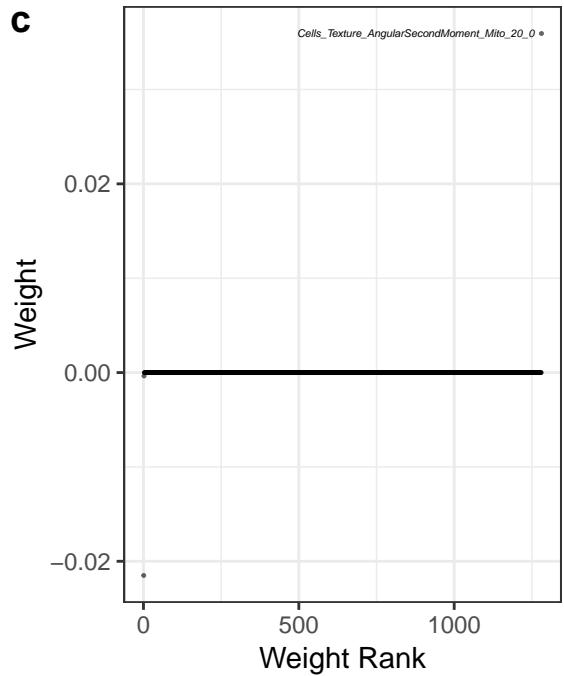


## Shuffled Data

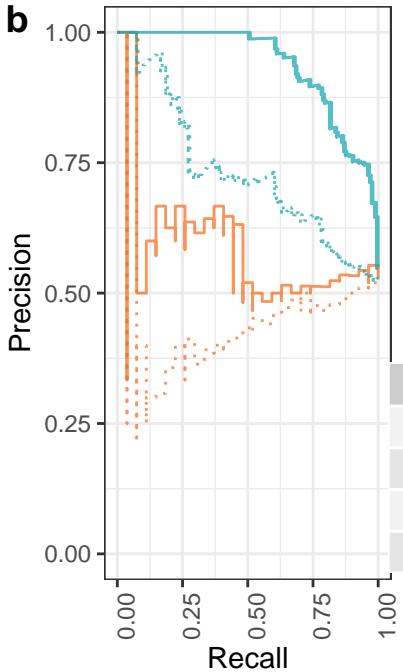
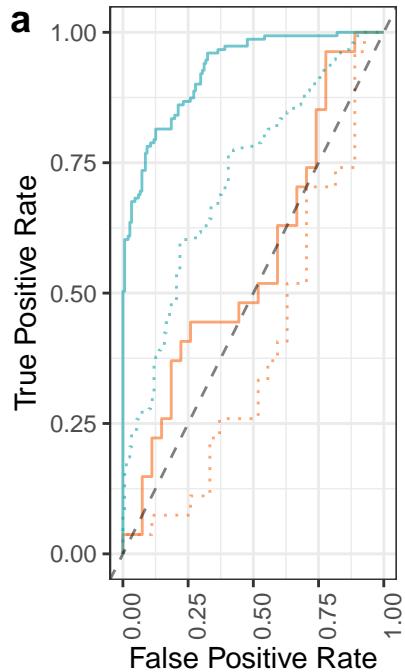
— Real

..... Shuffled

auroc	aupr	fit	shuffle	n
0.61	0.60	Train	False	15
0.35	0.46	Test	False	15
0.84	0.85	Train	True	15



# Performance: cc\_mitosis\_ph3\_pos\_n\_spots\_per\_nucleus\_area\_



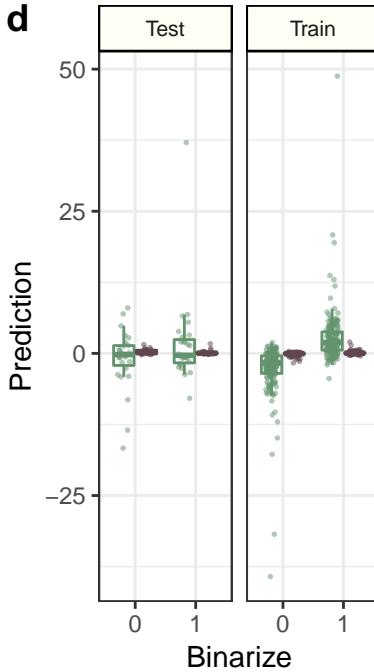
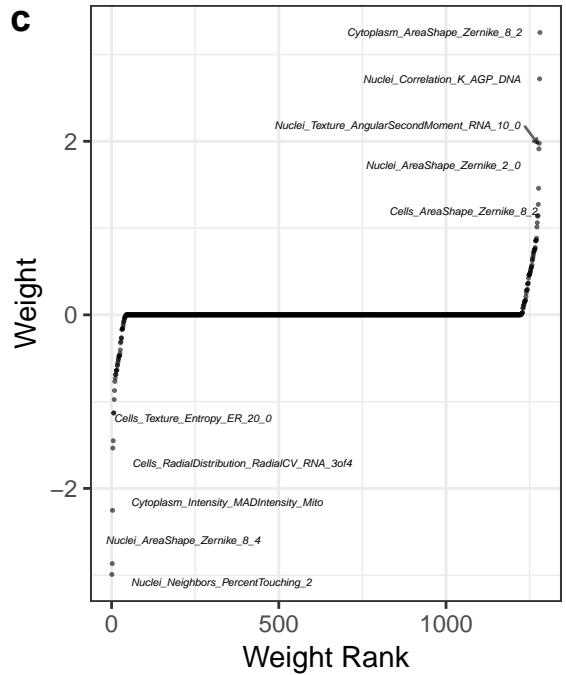
Test  
Train

Shuffled Data

Real

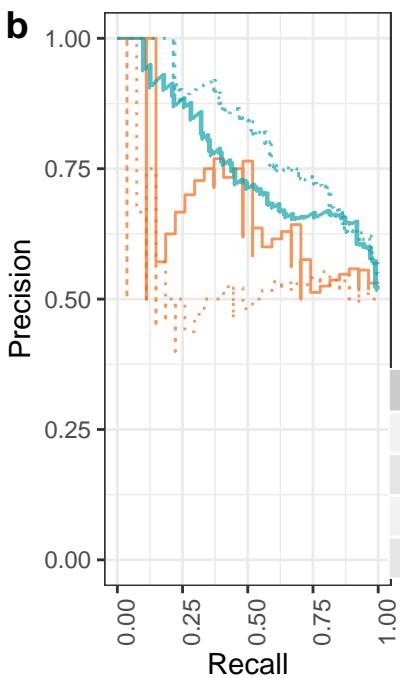
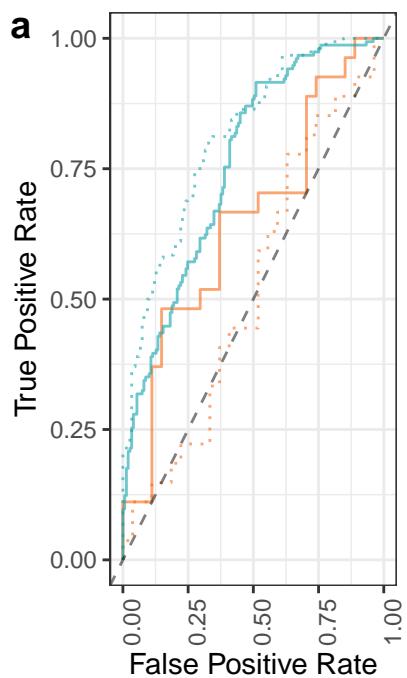
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.93	0.94	True	False	151
Test	0.56	0.58	Test	False	151
Train	0.72	0.73	Train	True	151
Test	0.39	0.46	Test	True	151



Shuffled  
False  
True

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



Shuffled Data

Real

Shuffled

auroc

aupr

fit

shuffle

n

0.76

0.76

Train

False

149

0.65

0.67

Test

False

149

0.81

0.82

Train

True

149

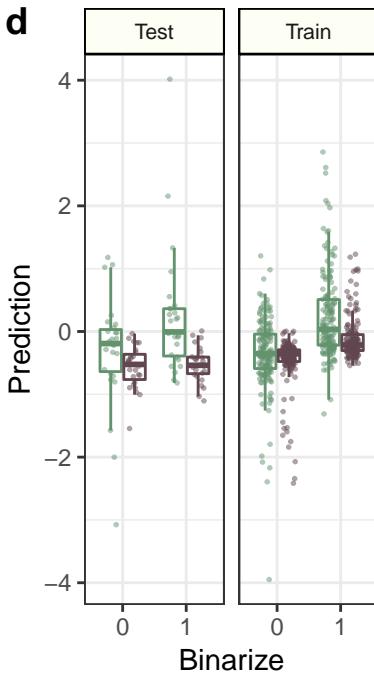
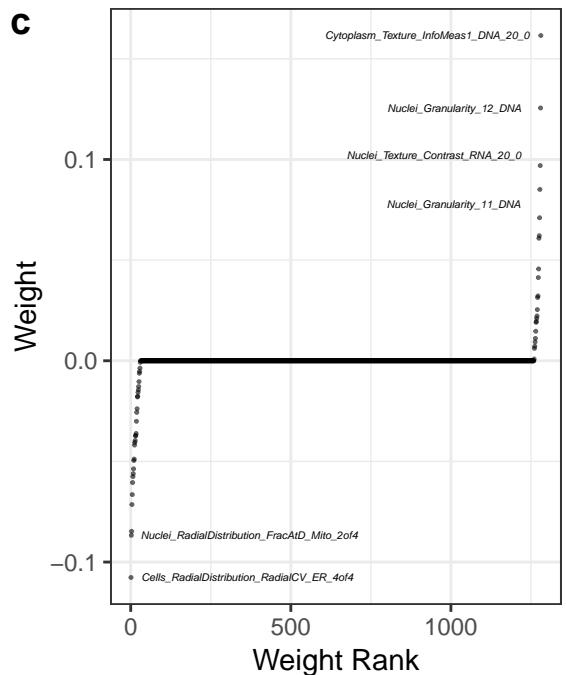
0.52

0.55

Test

True

149

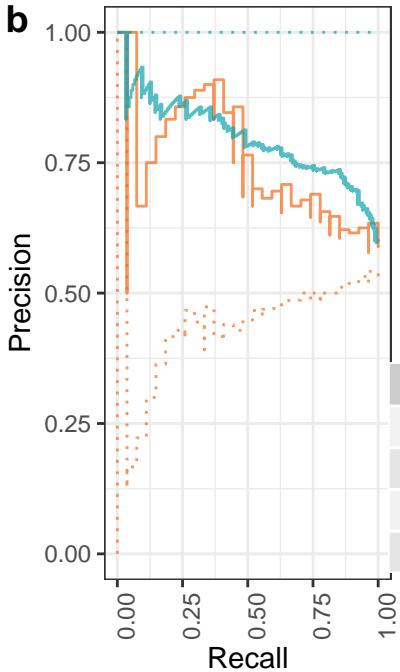
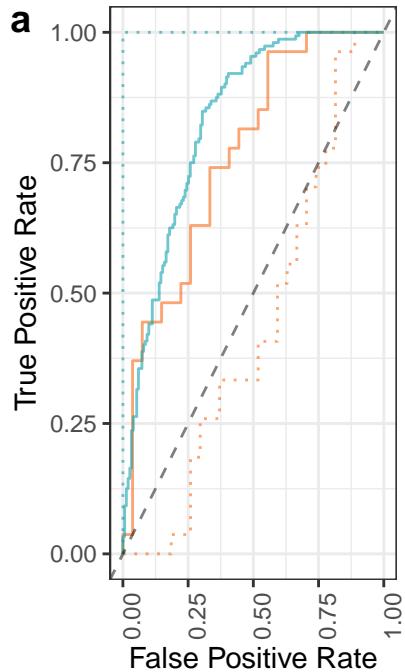


Shuffled

False

True

# Performance: cc\_polynuclear\_n\_objects



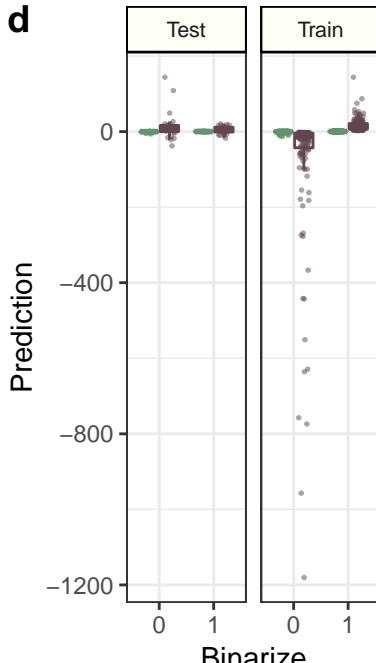
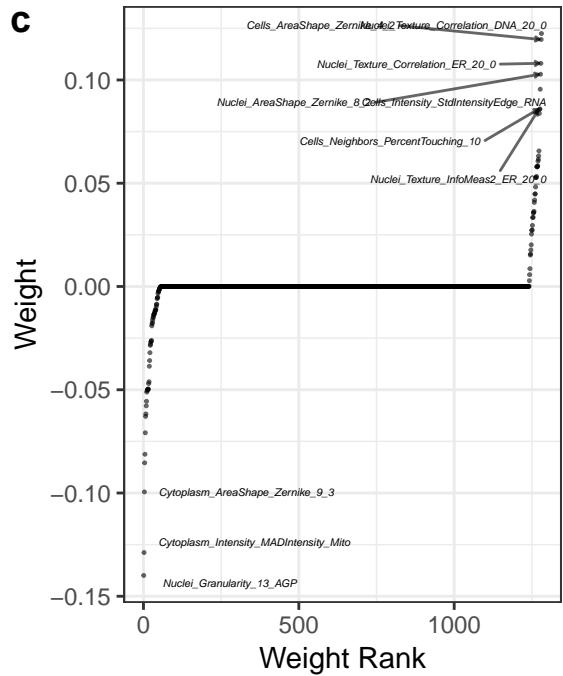
Test  
Train

Shuffled Data

Real

Shuffled

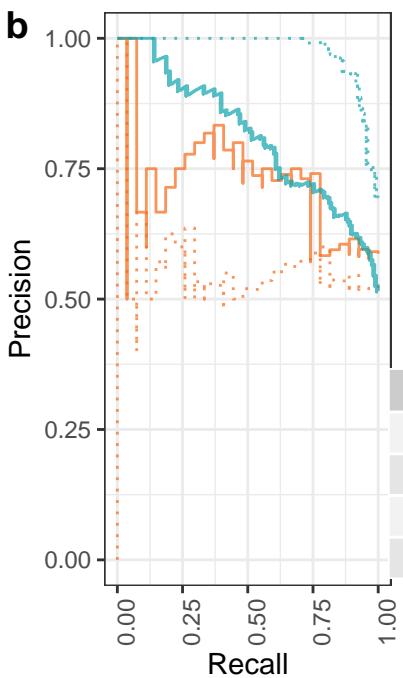
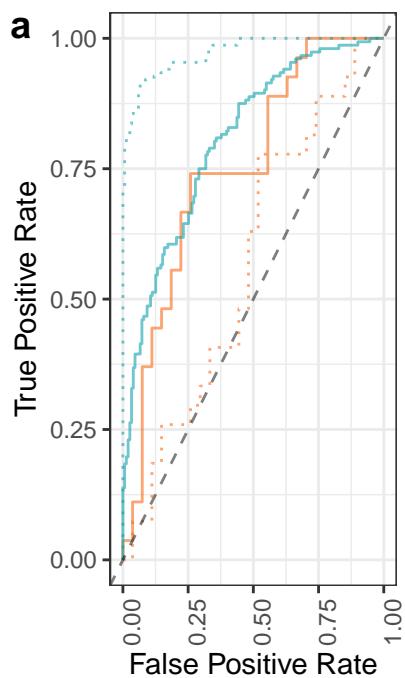
	auroc	aupr	fit	shuffle	n
Train	0.83	0.80	True	False	151
Test	0.76	0.75	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.44	0.45	Test	True	151



Shuffled

- False
- True

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



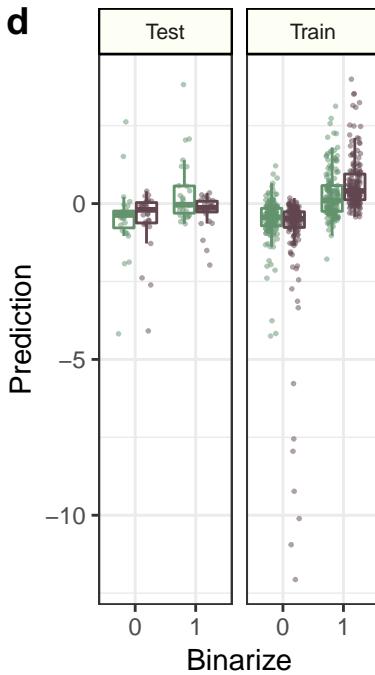
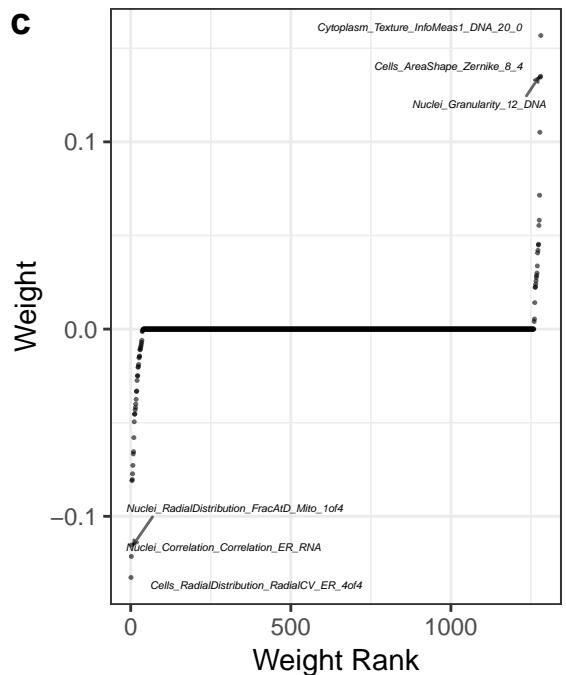
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.80	0.81	True	False	151
Test	0.75	0.72	Test	False	151
Train	0.97	0.98	Train	True	151
Test	0.57	0.55	Test	True	151

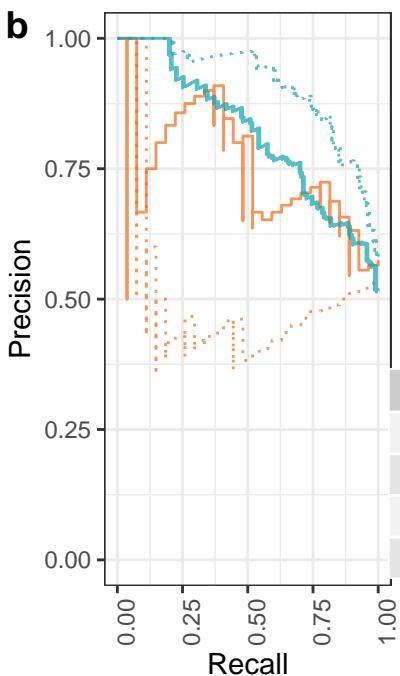
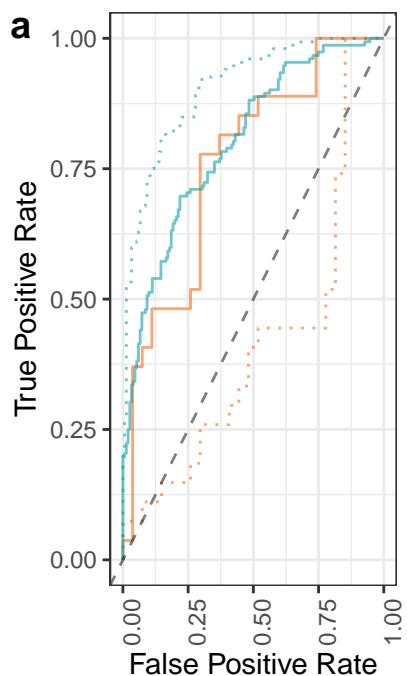


Shuffled

False

True

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



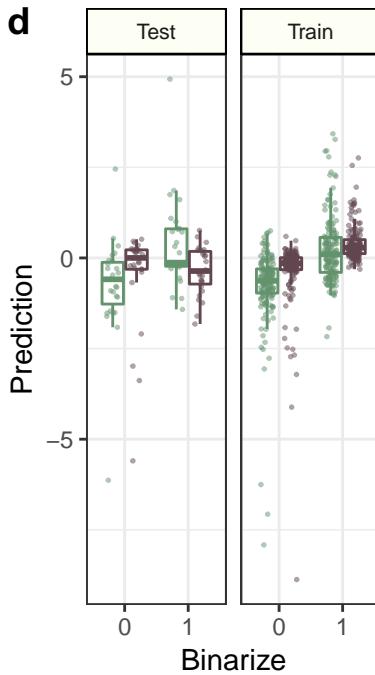
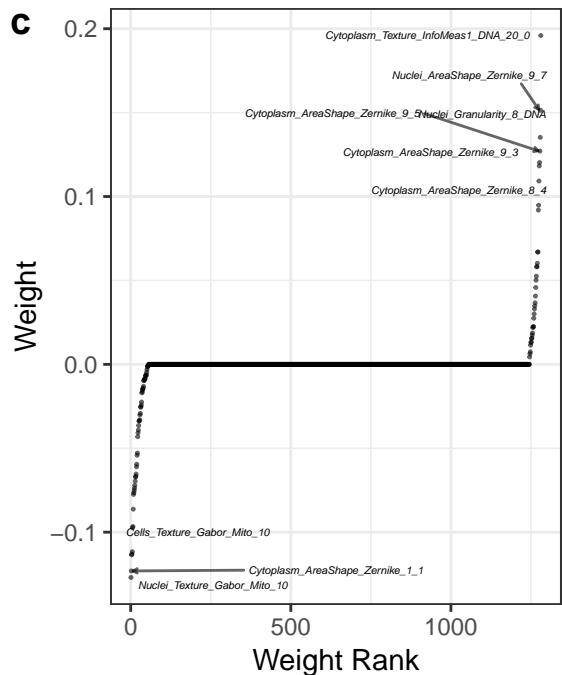
Test  
Train

Shuffled Data

Real

Shuffled

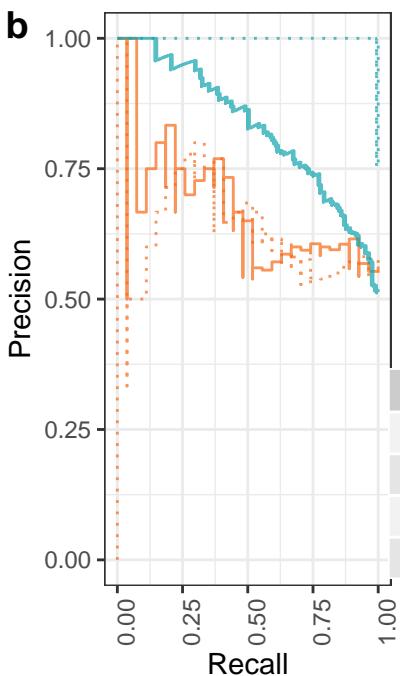
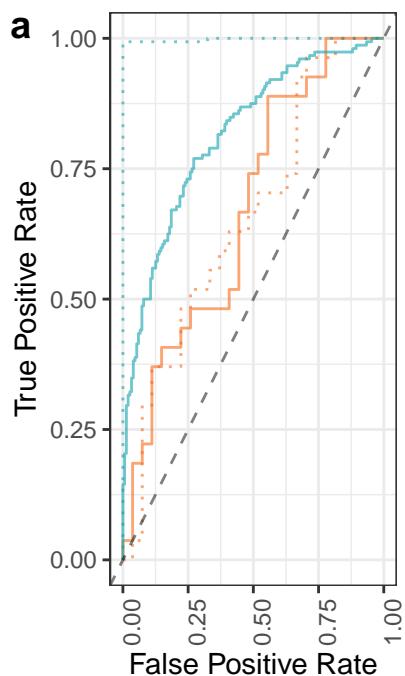
	auroc	aupr	fit	shuffle	n
Train	0.80	0.82	True	False	151
Test	0.76	0.74	Test	False	151
Train	0.91	0.91	Train	True	151
Test	0.41	0.50	Test	True	151



Shuffled

False	True
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# Performance: cc\_polyplloid\_high\_n\_spots\_h2ax\_mean

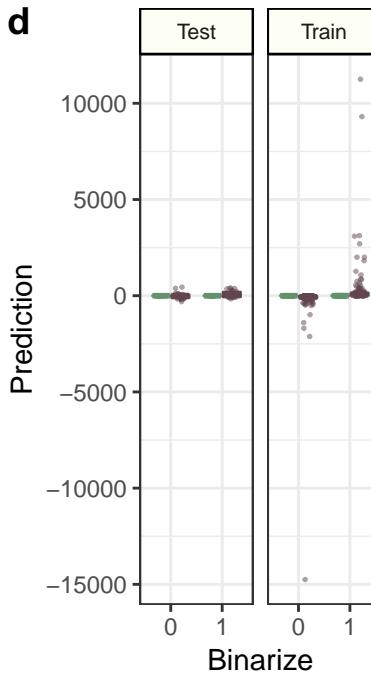
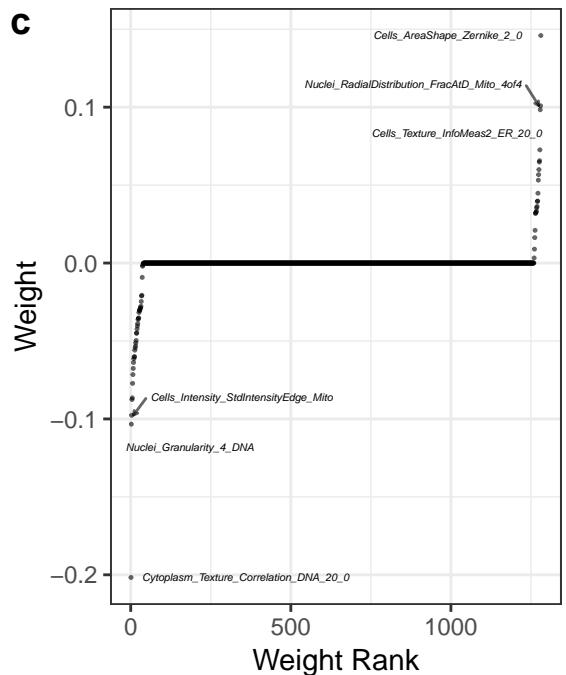


Test  
Train

Shuffled Data

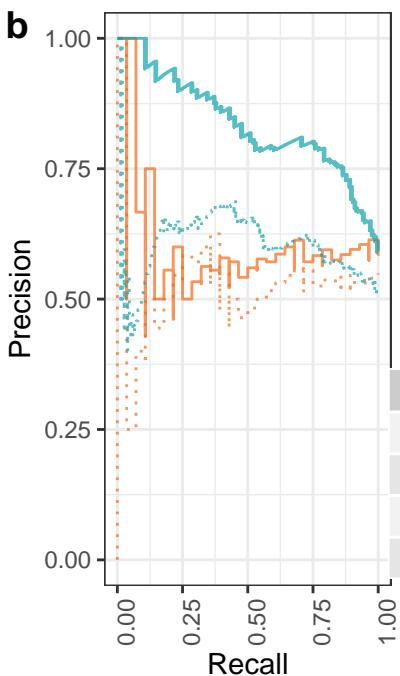
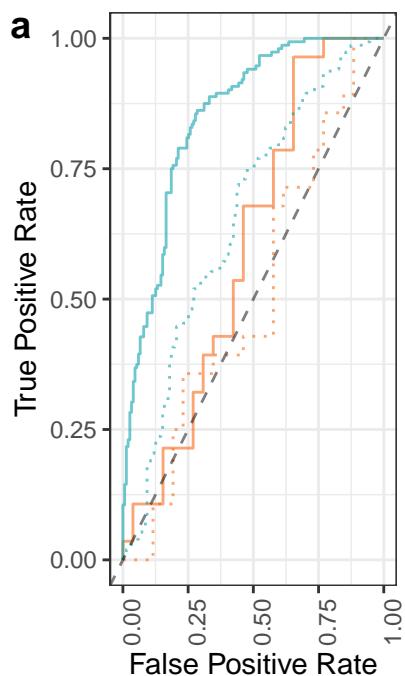
Real  
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.82	0.83	True	False	151
Test	0.67	0.67	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.66	0.63	Test	True	151



Shuffled  
False  
True

# Performance: cc\_polyplloid\_n\_objects



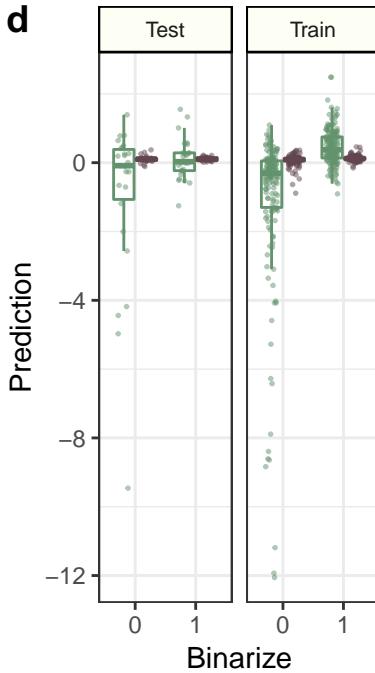
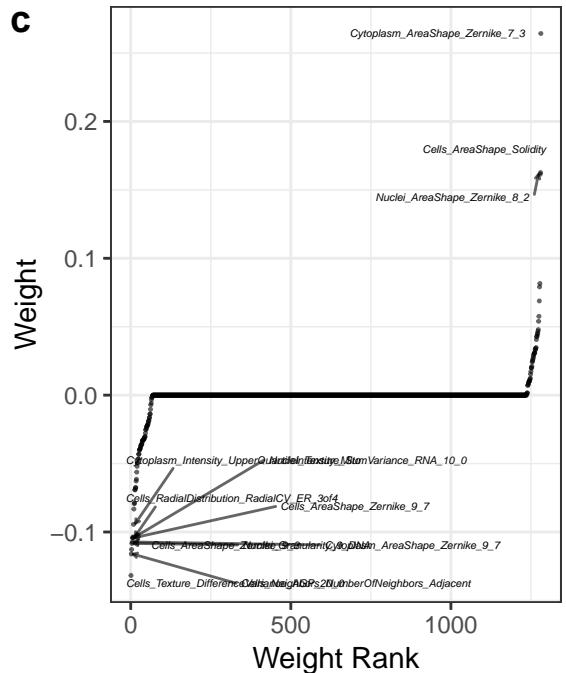
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.85	0.84	True	False	151
Test	0.60	0.60	Test	False	151
Train	0.65	0.61	Train	True	151
Test	0.51	0.52	Test	True	151

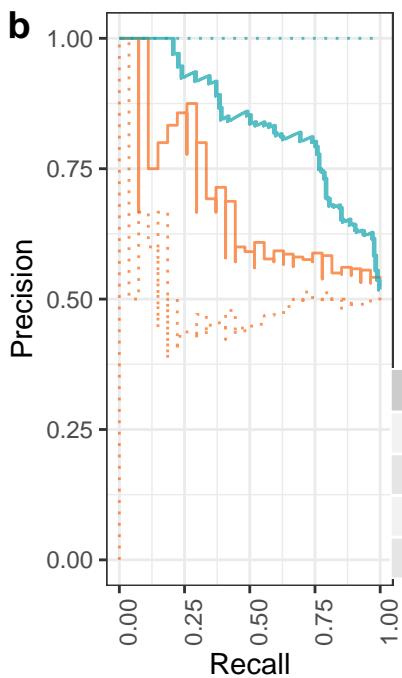
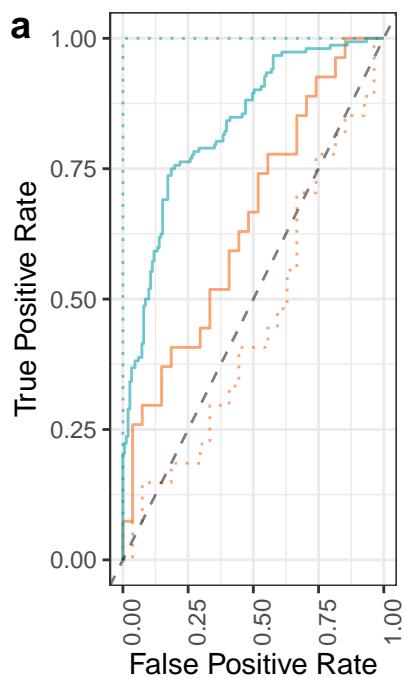


Shuffled

False

True

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

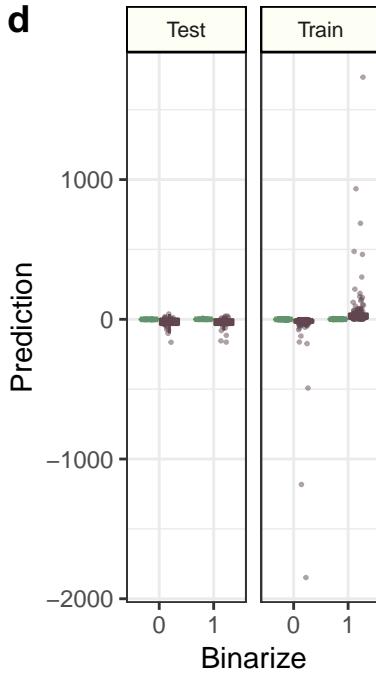
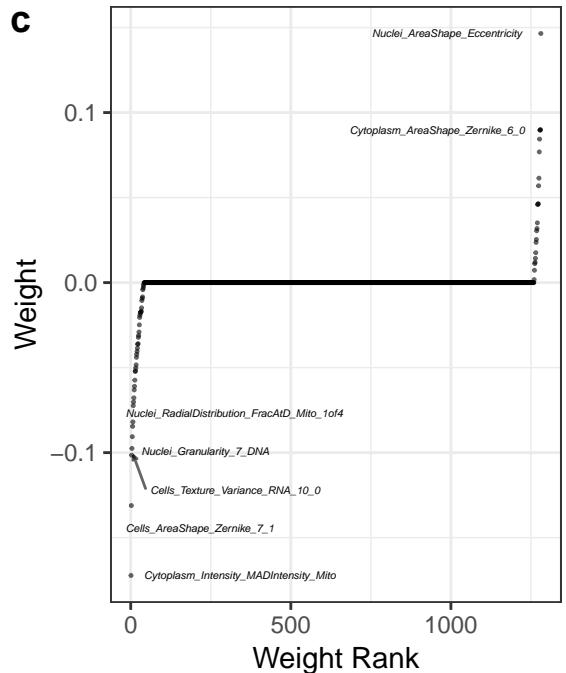


Test  
Train

Shuffled Data

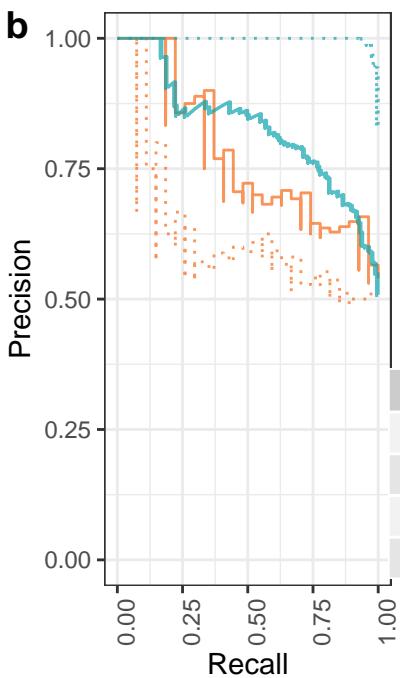
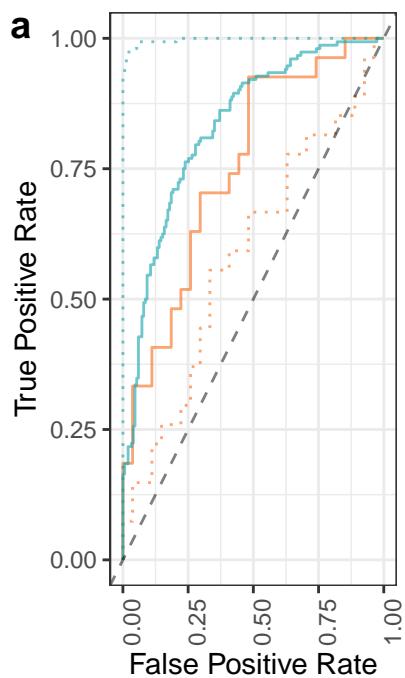
Real  
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.83	0.84	True	False	151
Test	0.65	0.67	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.46	0.50	Test	True	151



Shuffled  
False  
True

# Performance: cc\_polyplloid\_n\_spots\_per\_nucleus\_area\_mean

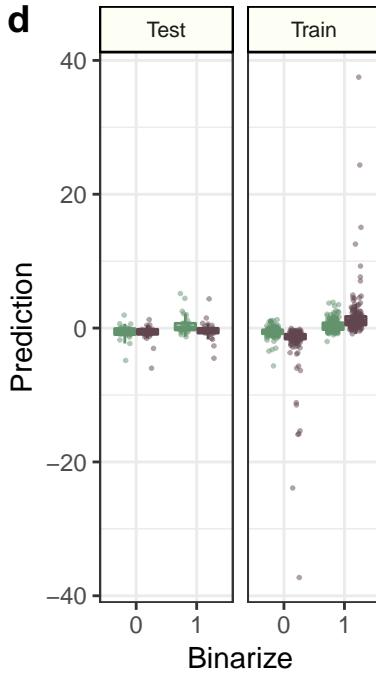
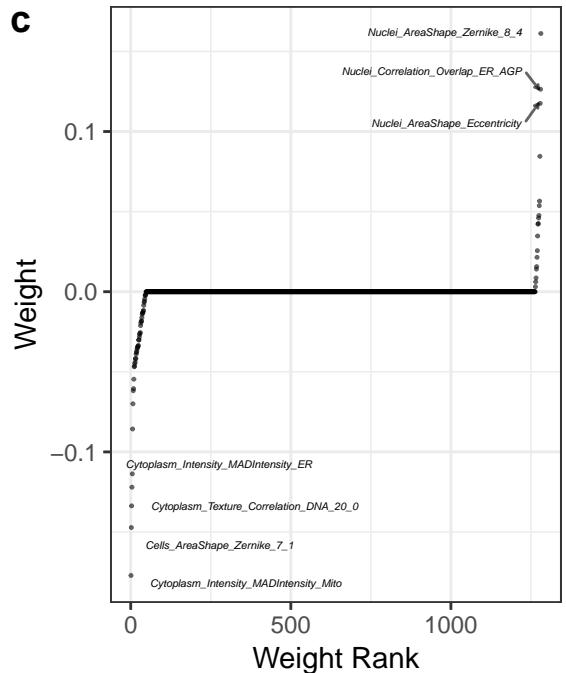


Shuffled Data

Real

Shuffled

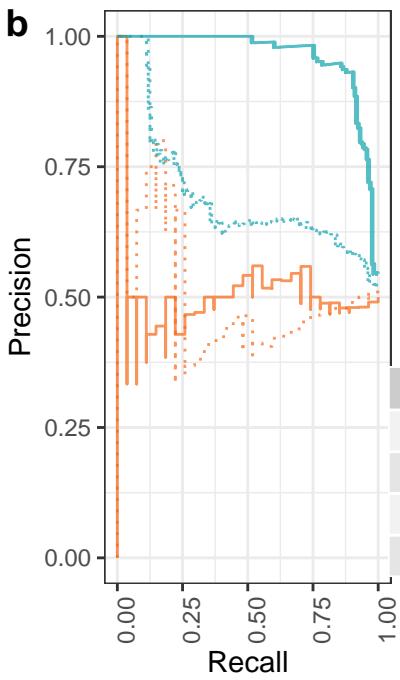
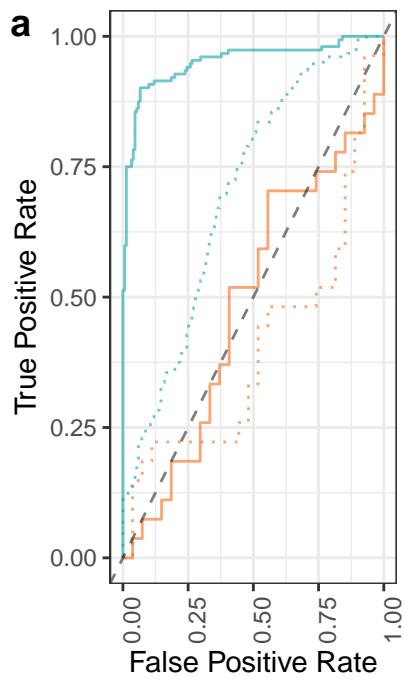
	auroc	aupr	fit	shuffle	n
Train	0.83	0.83	True	False	151
Test	0.75	0.76	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.58	0.62	Test	True	151



Shuffled

- False
- True

## Performance: vb\_infection\_percentage

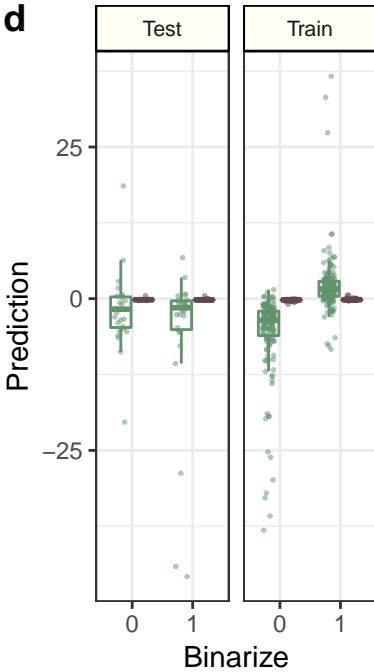
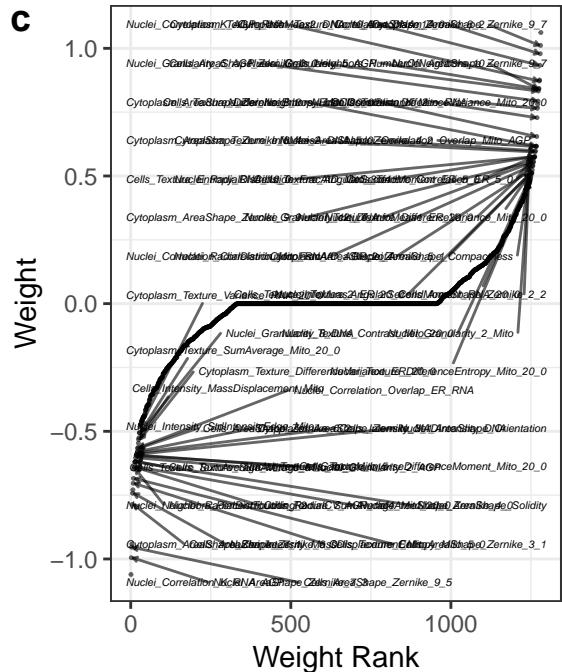


Legend:

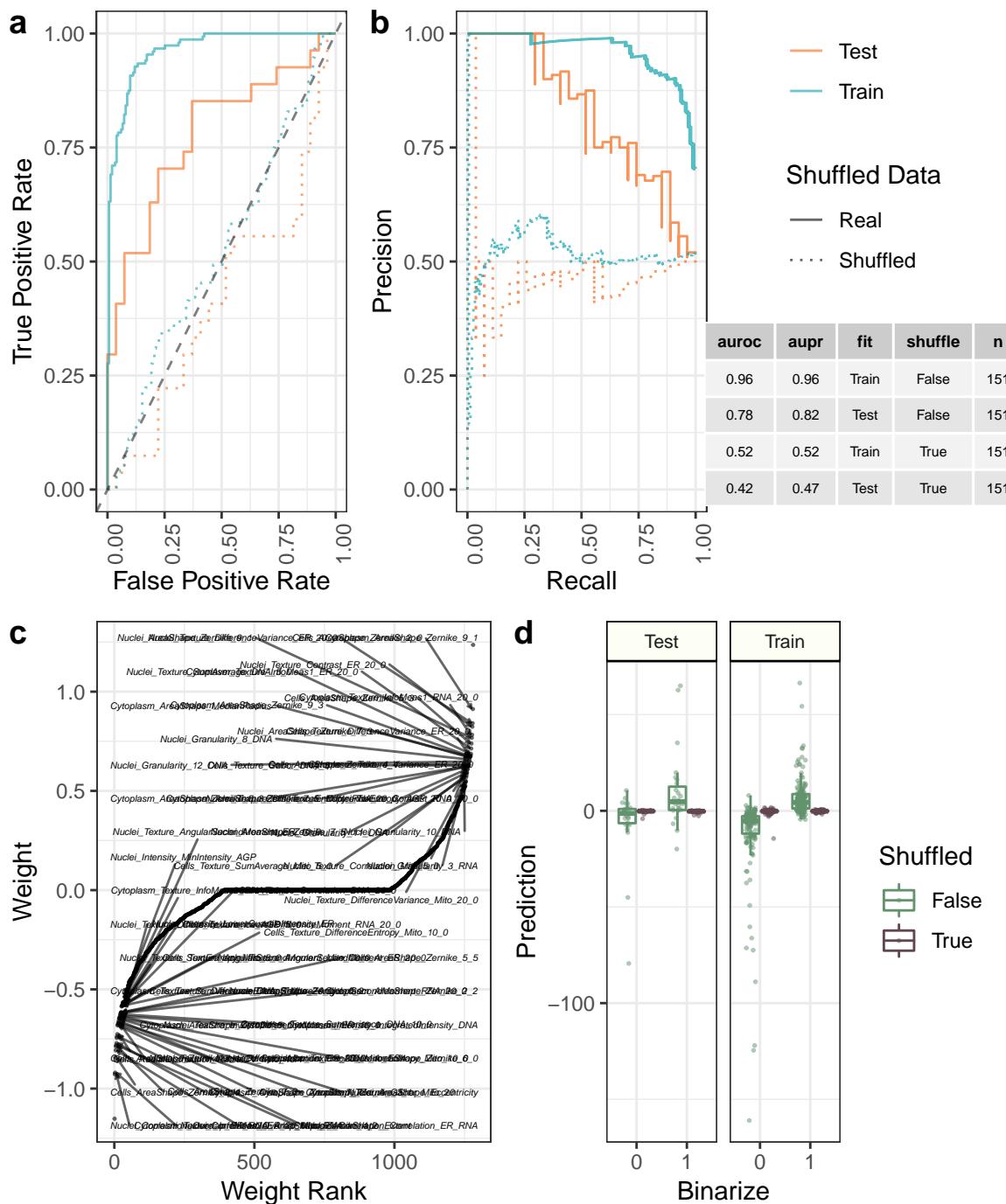
- Test (Orange)
- Train (Teal)
- Real (Grey)
- Shuffled (Dotted Grey)

Shuffled Data

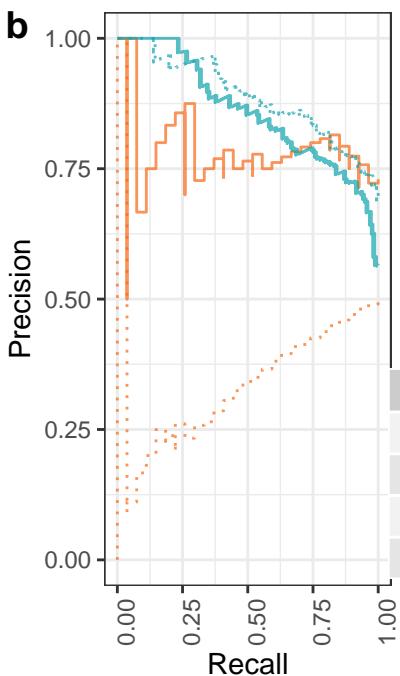
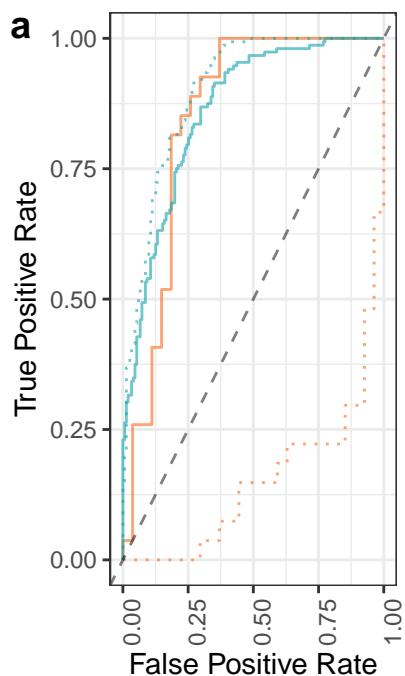
Time	aupr	fit	shuffled
0	0.96	Train	False
25	0.50	Test	False
50	0.69	Train	True
75	0.50	Test	True
100	0.85	Train	True



# Performance: vb\_live\_cell\_area



# Performance: vb\_live\_cell\_roundness



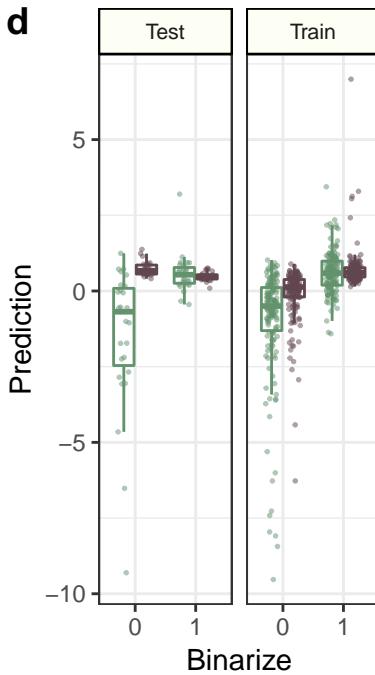
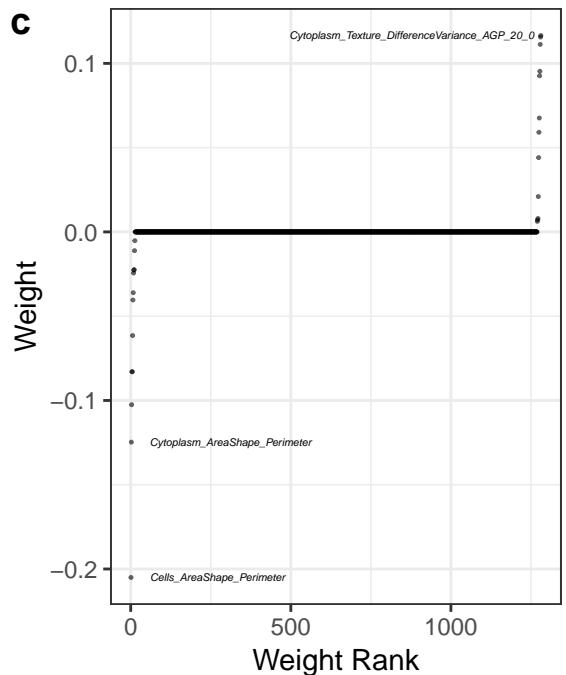
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.86	0.86	Train	False	151
Train	0.85	0.78	Test	False	151
Real	0.90	0.89	Train	True	151
Shuffled	0.15	0.34	Test	True	151

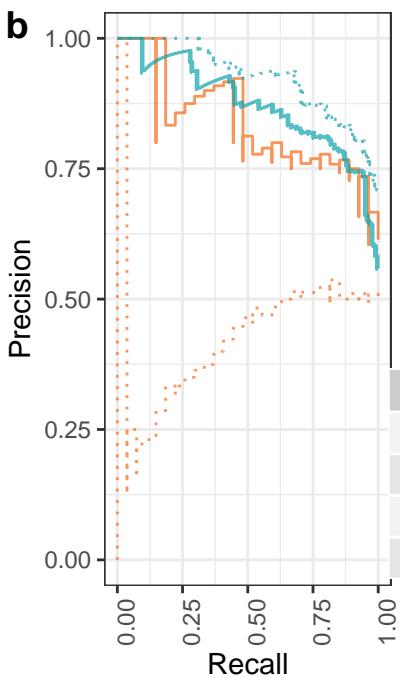
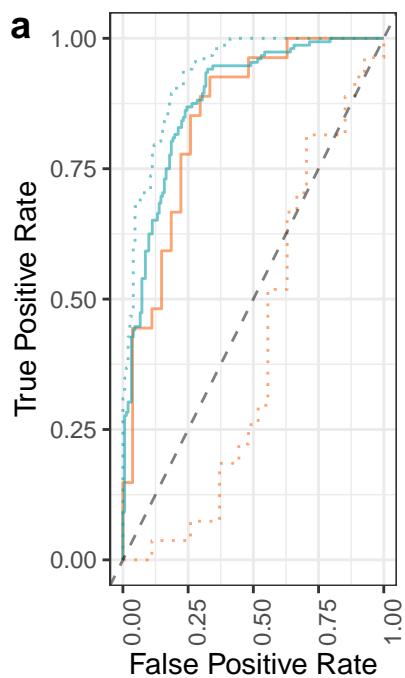


Shuffled

False

True

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



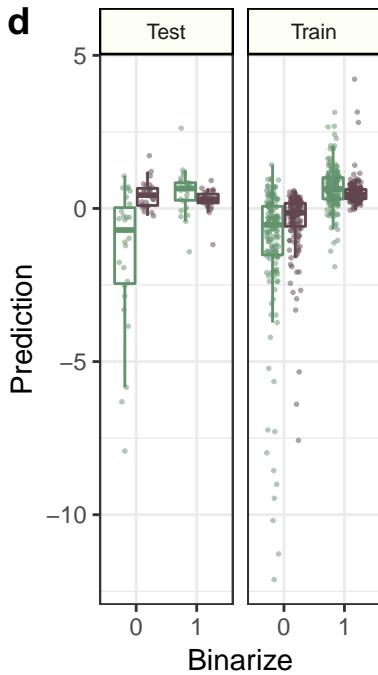
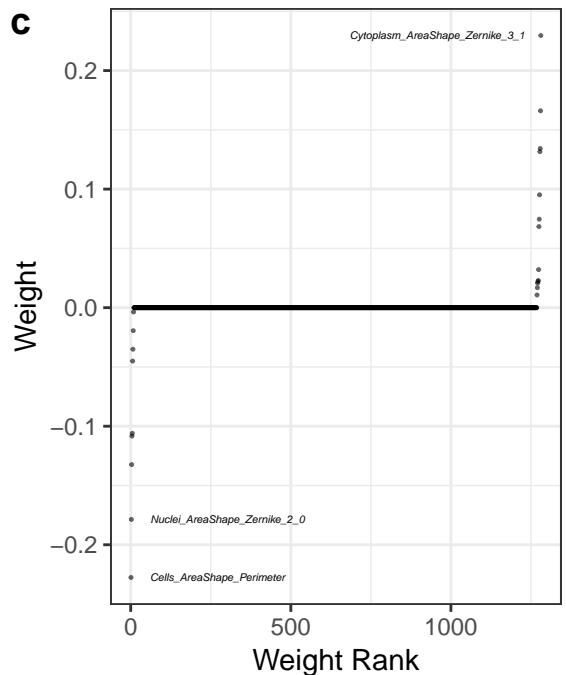
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.88	0.87	True	False	151
Test	0.85	0.83	Test	False	151
Train	0.93	0.93	Train	True	151
Test	0.40	0.43	Test	True	151

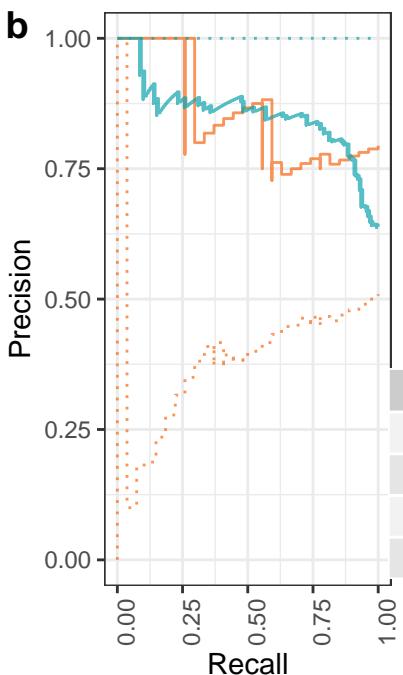
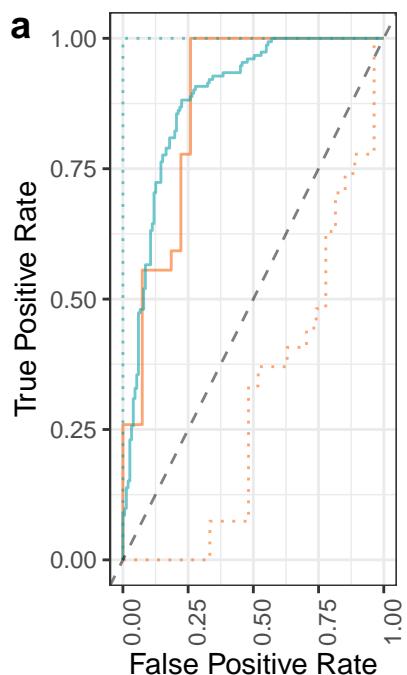


Shuffled

False

True

# Performance: vb\_num\_live\_cells



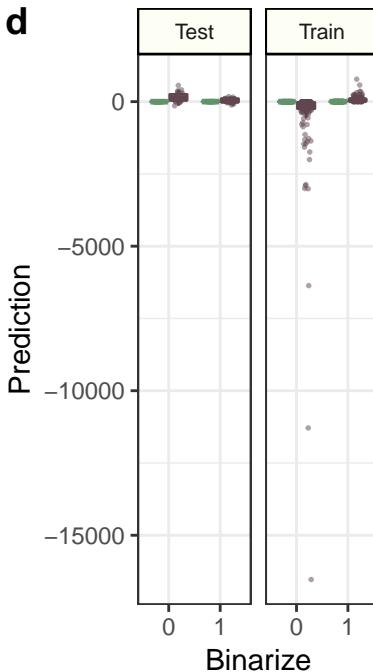
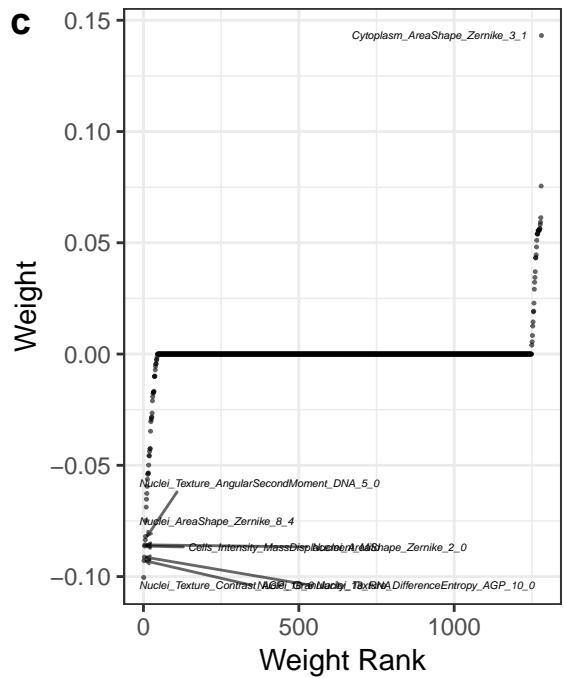
Test  
Train

Shuffled Data

Real

Shuffled

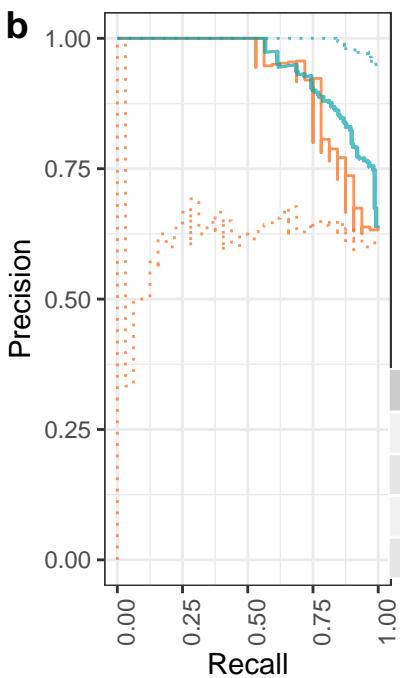
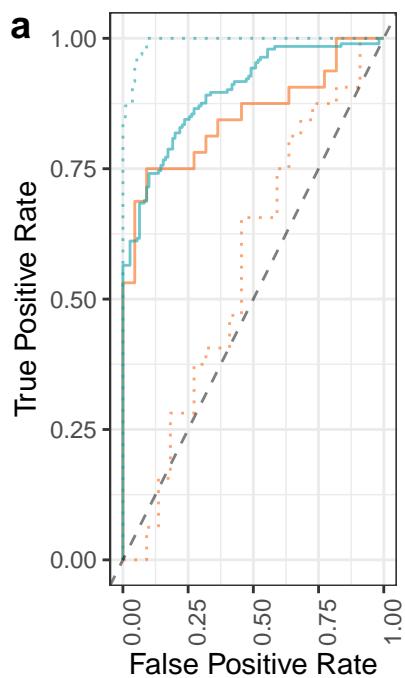
auroc	aupr	fit	shuffle	n
0.88	0.85	Train	False	151
0.87	0.85	Test	False	151
1.00	1.00	Train	True	151
0.30	0.39	Test	True	151



Shuffled

- False
- True

# Performance: vb\_percent\_all\_apoptosis



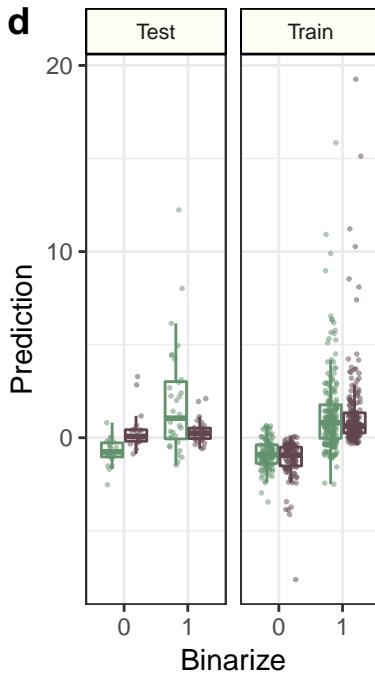
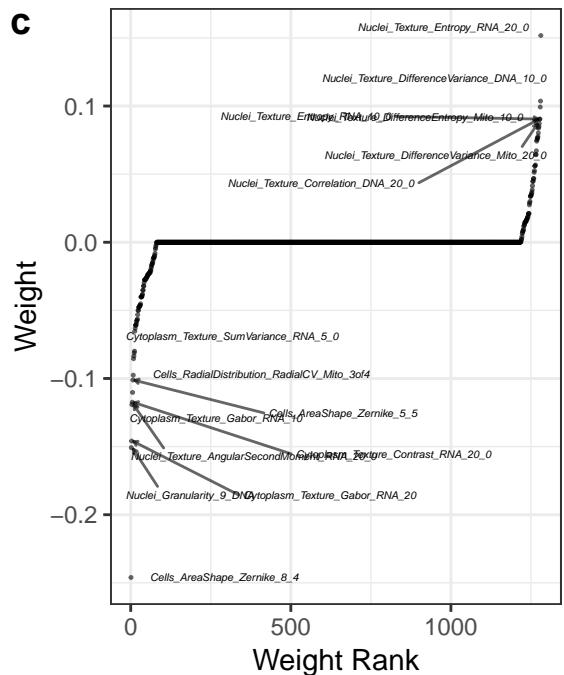
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.90	0.94	True	False	110
Test	0.85	0.92	Test	False	110
Train	0.99	1.00	Train	True	110
Test	0.56	0.62	Test	True	110

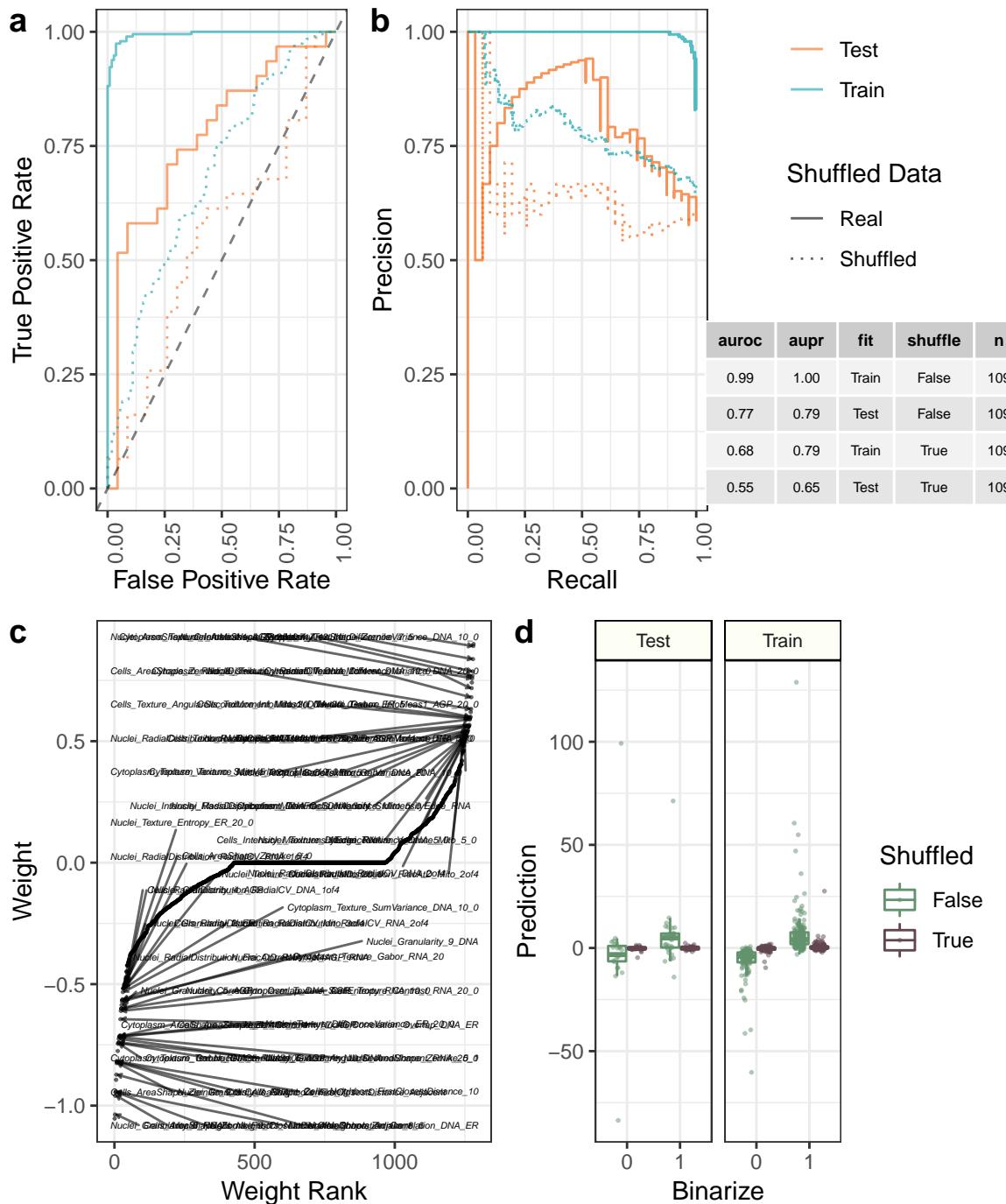


Shuffled

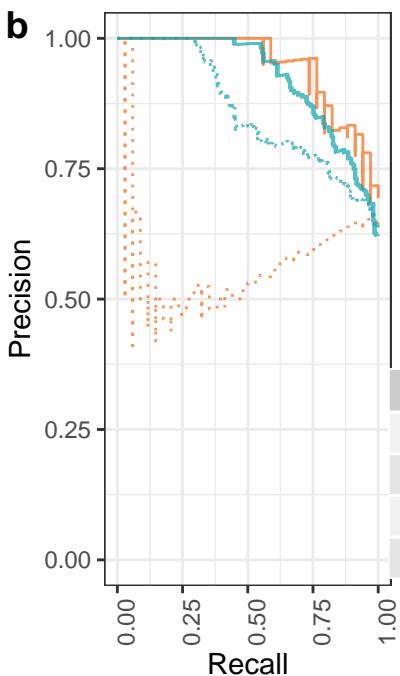
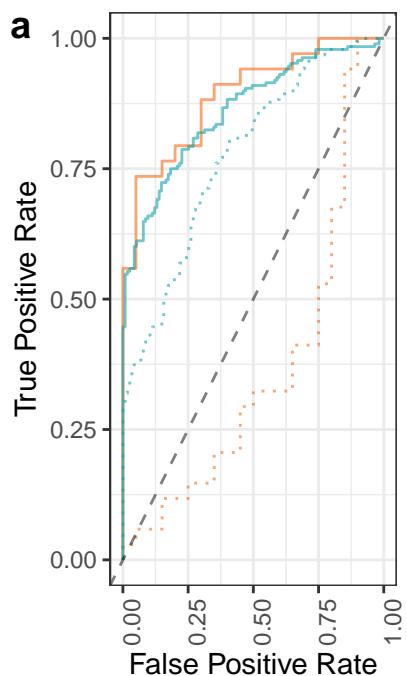
False

True

## Performance: vb\_percent\_all\_early\_apoptosis



# Performance: vb\_percent\_all\_late\_apoptosis



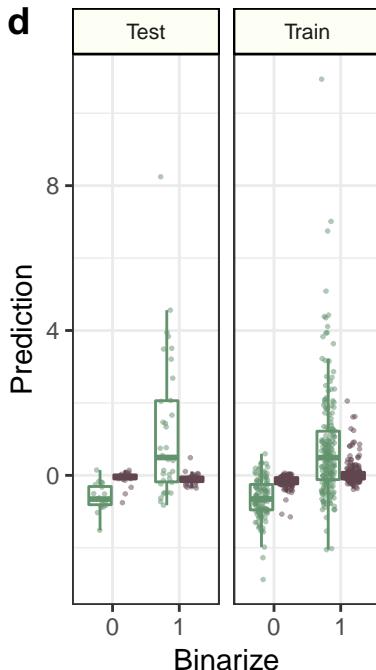
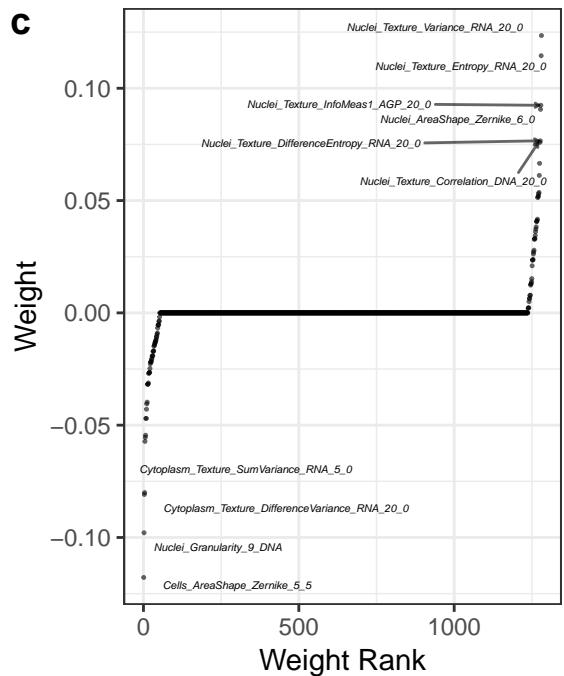
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.86	0.92	True	False	115
Test	0.89	0.94	Test	False	115
Train	0.77	0.86	Train	True	115
Test	0.37	0.57	Test	True	115

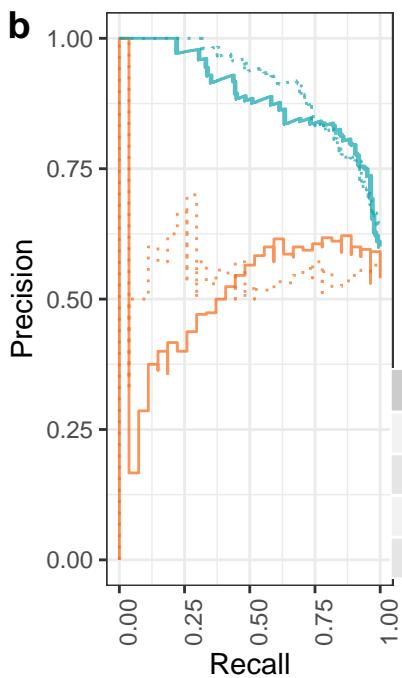
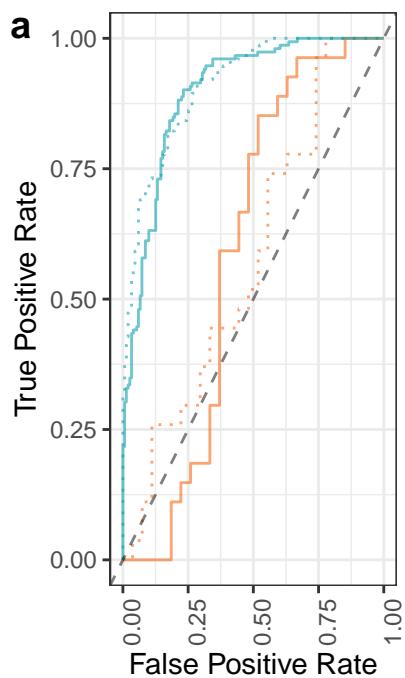


Shuffled

False

True

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



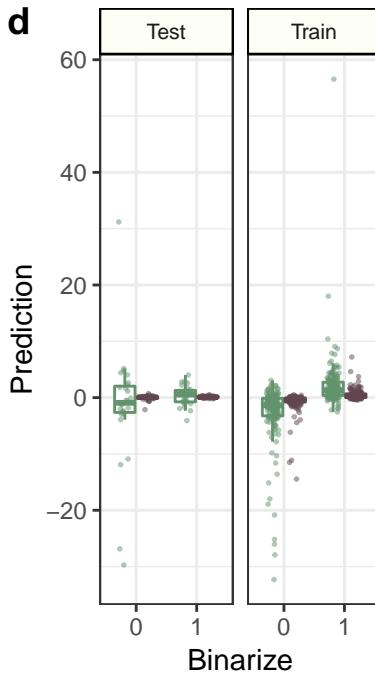
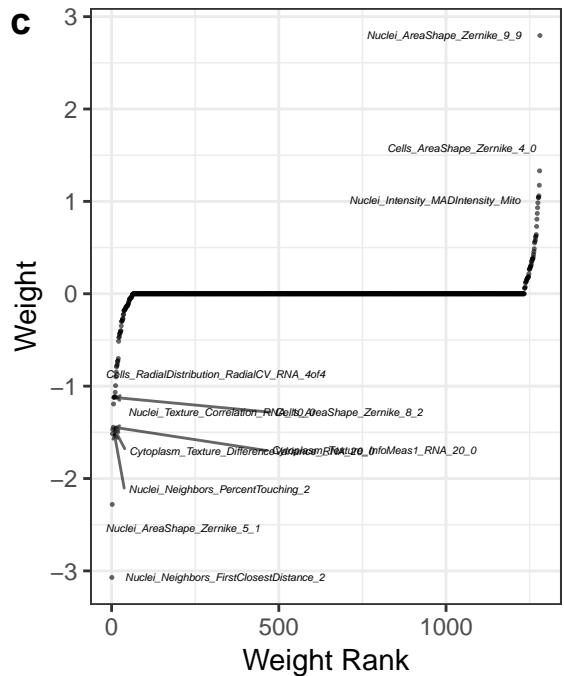
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.90	0.89	True	False	151
Test	0.59	0.52	Test	False	151
Train	0.91	0.91	Train	True	151
Test	0.58	0.56	Test	True	151

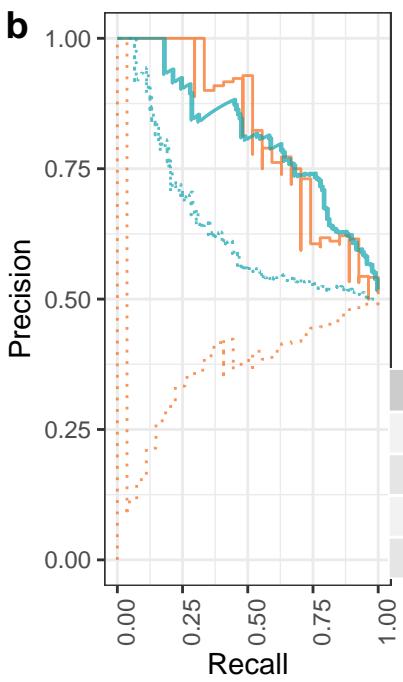
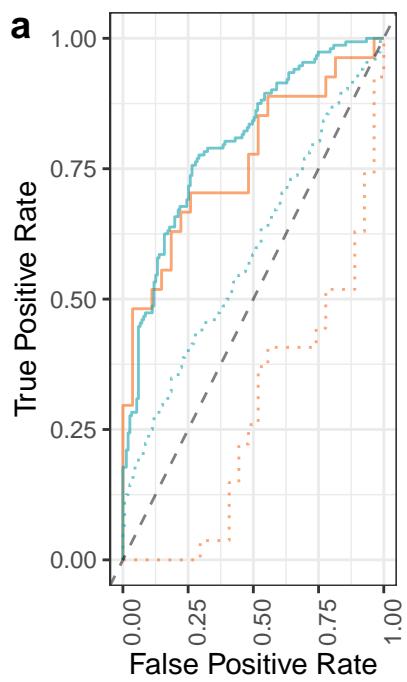


Shuffled

False

True

# Performance: vb\_percent\_dead



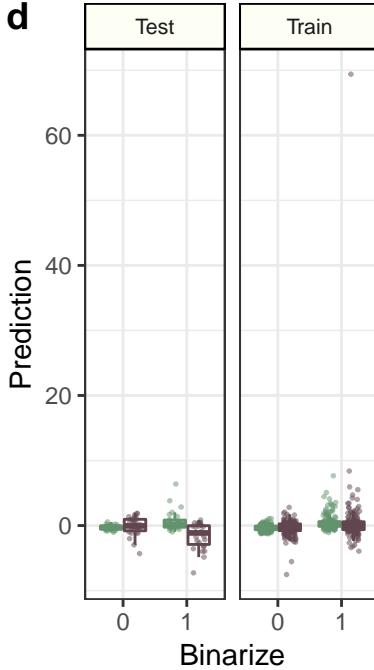
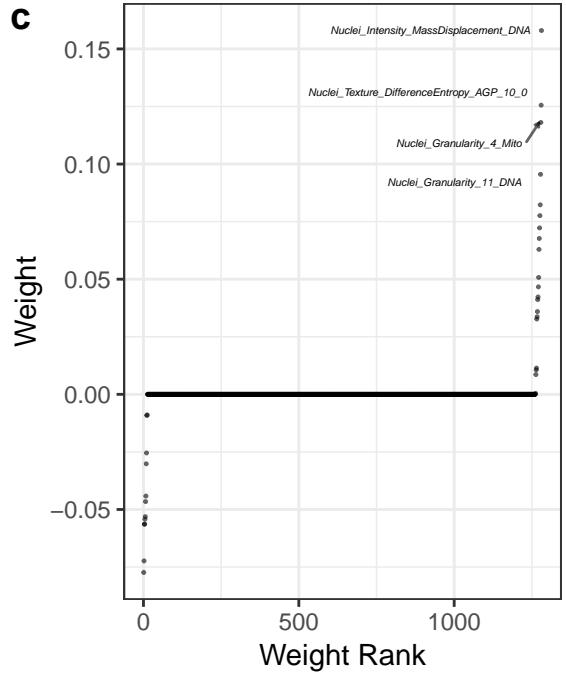
Test  
Train

Shuffled Data

Real

Shuffled

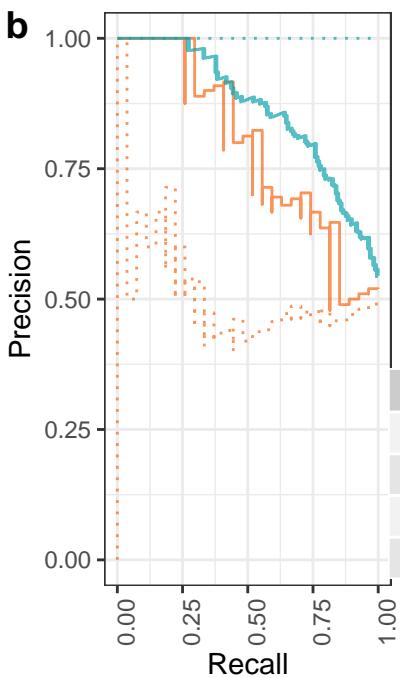
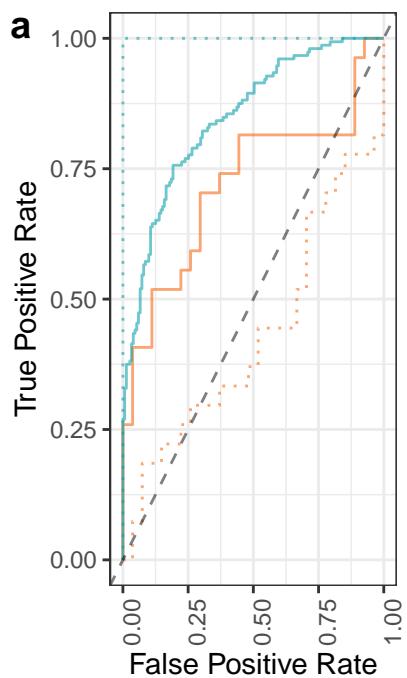
	auroc	aupr	fit	shuffle	n
Train	0.80	0.81	True	False	151
Test	0.76	0.81	Test	False	151
Train	0.59	0.64	Train	True	151
Test	0.28	0.38	Test	True	151



Shuffled

- False
- True

# Performance: vb\_percent\_dead\_only



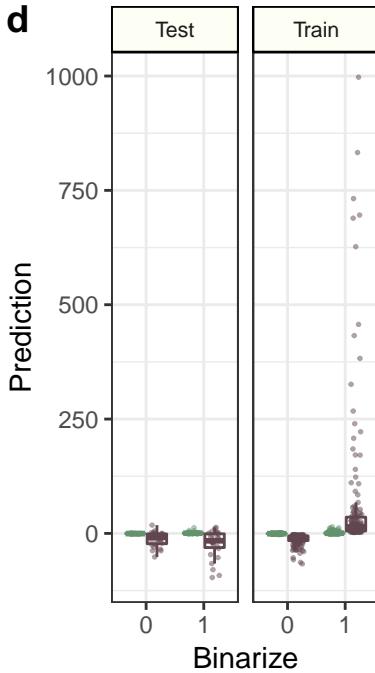
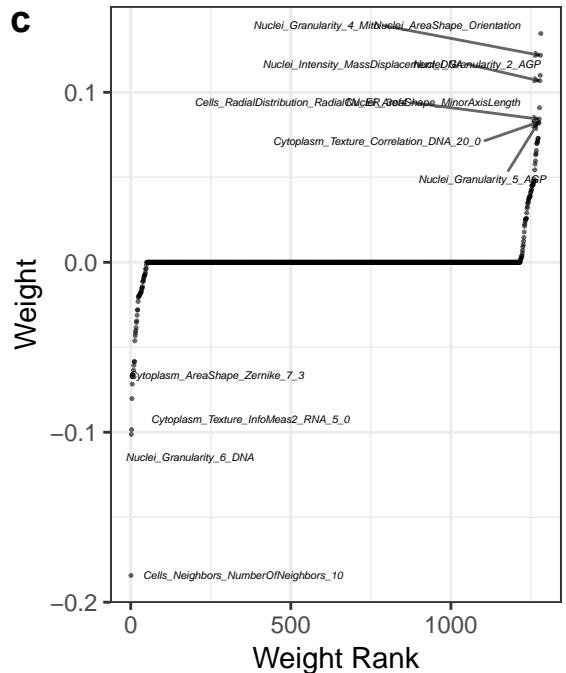
Test  
Train

Shuffled Data

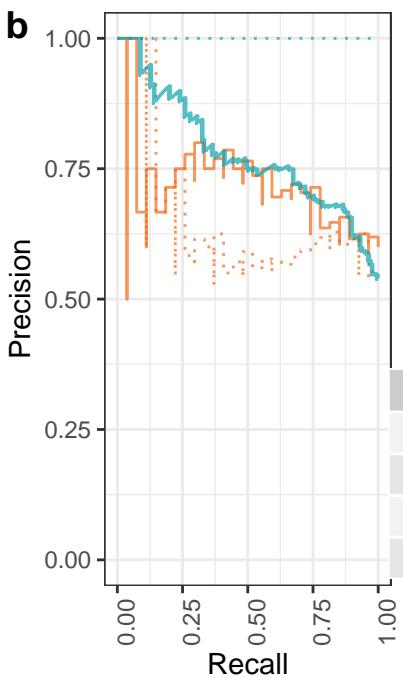
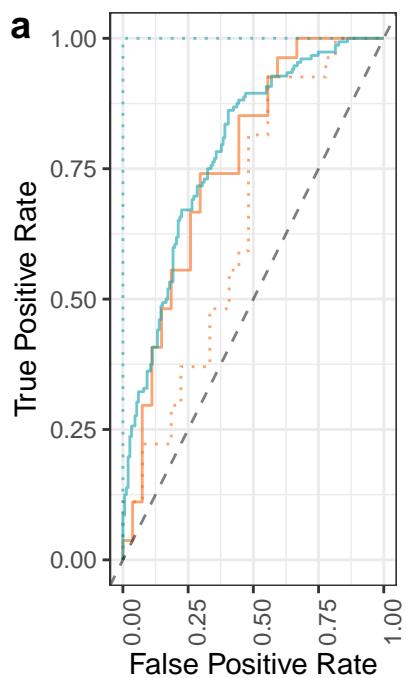
Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.85	0.86	True	False	151
Test	0.72	0.78	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.43	0.50	Test	True	151



# Performance: vb\_percent\_live



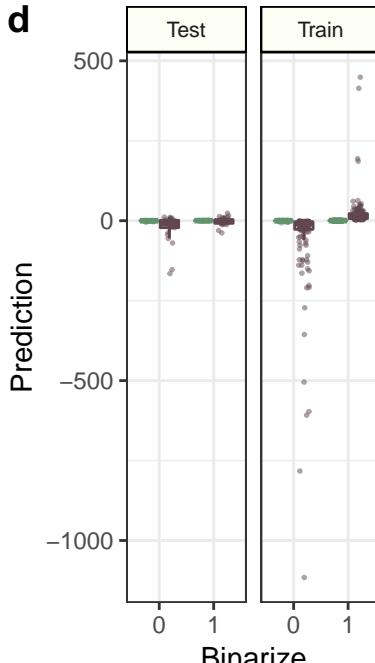
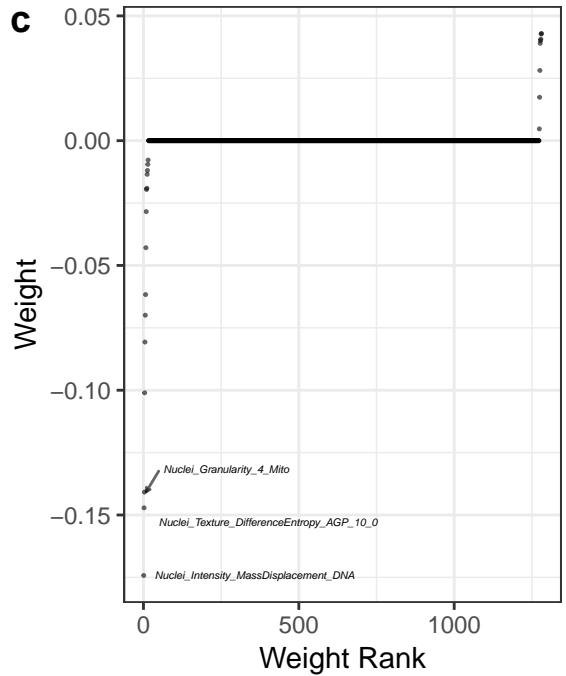
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.79	0.78	Train	False	151
Train	0.76	0.72	Test	False	151
True	1.00	1.00	Train	True	151
False	0.65	0.65	Test	True	151

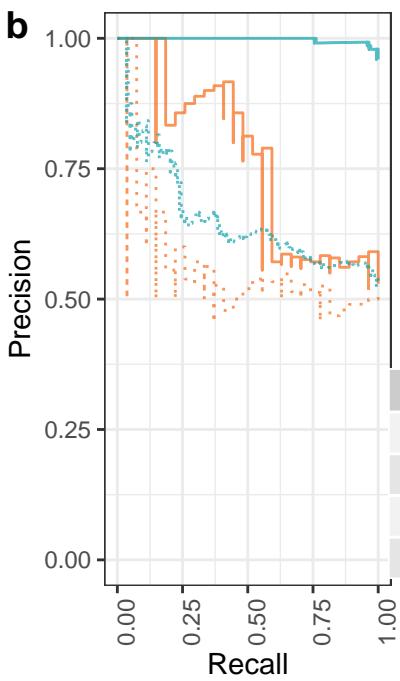
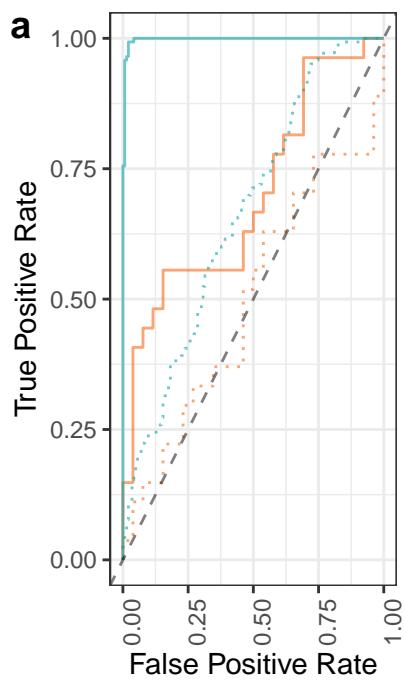


Shuffled

False

True

# Performance: vb\_ros\_back\_mean



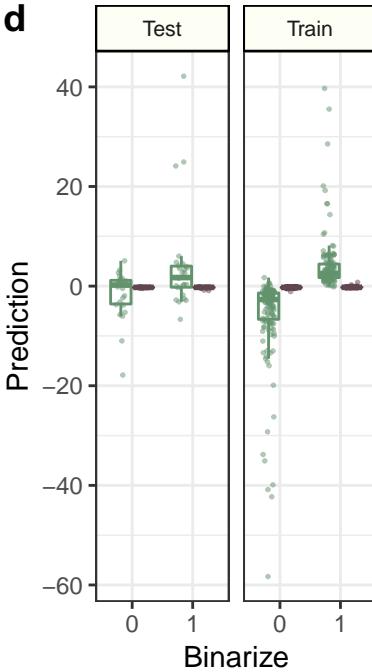
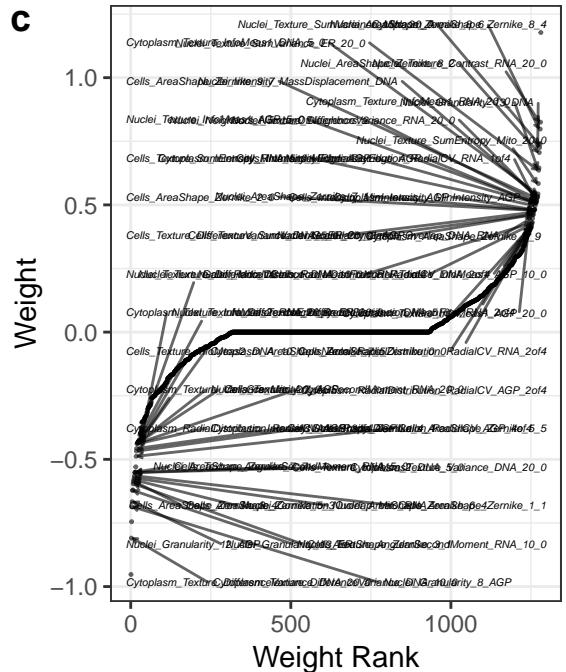
Test  
Train

Shuffled Data

Real

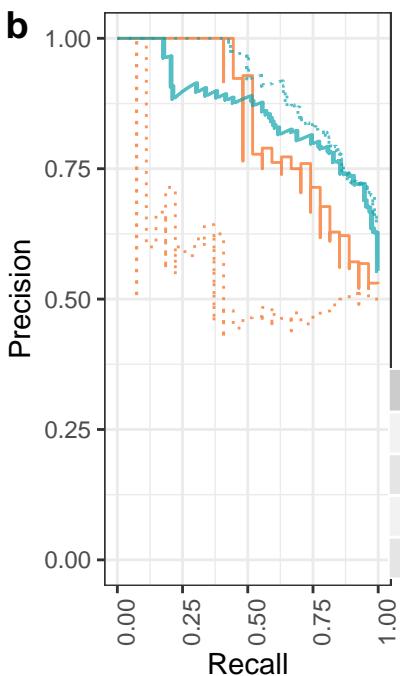
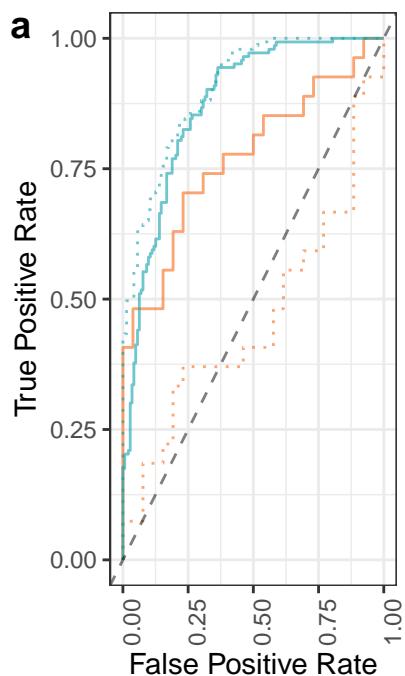
Shuffled

	auroc	aupr	fit	shuffle	n
1.00	1.00	Train	False	143	
0.70	0.75	Test	False	143	
0.66	0.66	Train	True	143	
0.50	0.56	Test	True	143	



Shuffled  
False  
True

# Performance: vb\_ros\_mean



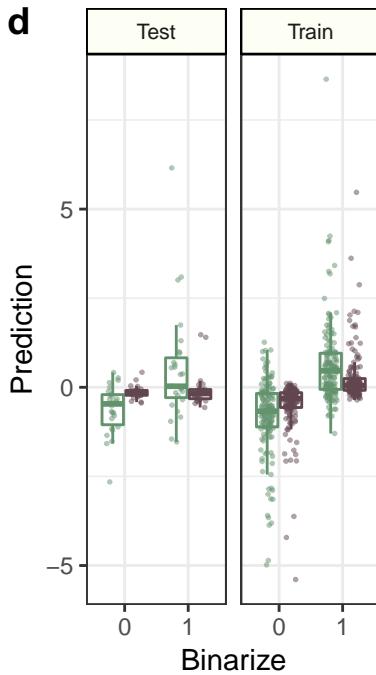
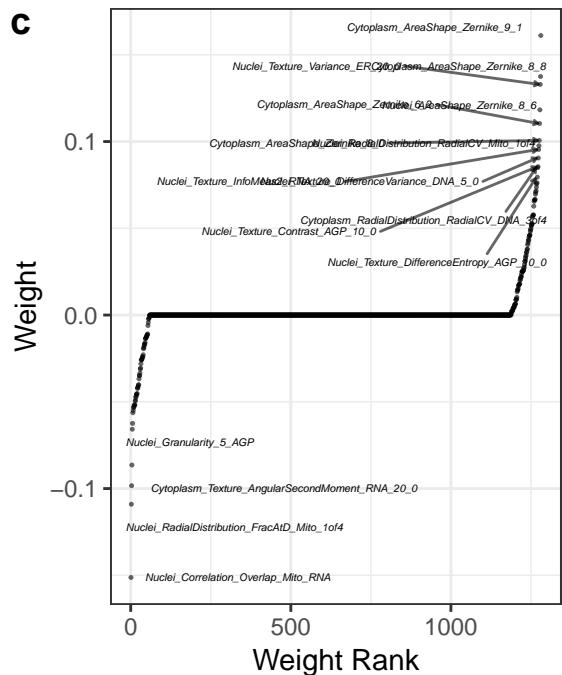
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.87	0.86	True	False	143
Test	0.77	0.83	Test	False	143
Train	0.90	0.91	Train	True	143
Test	0.46	0.56	Test	True	143



Shuffled

False

True