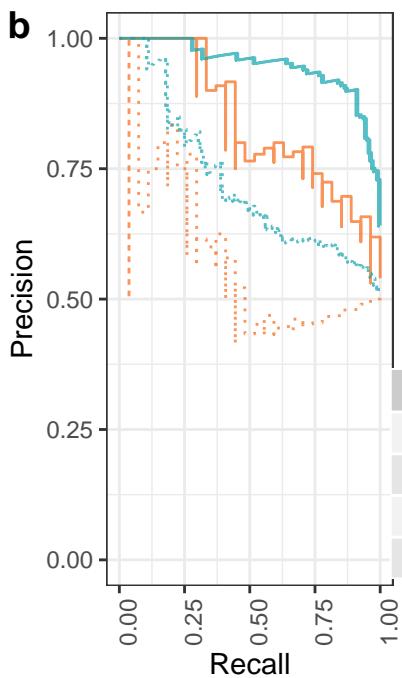
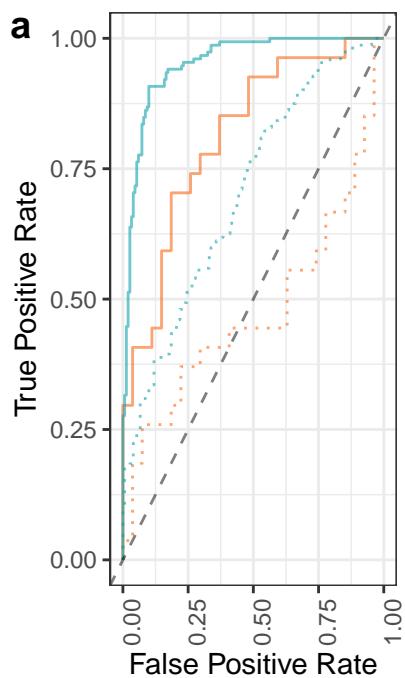


# Performance: cc\_all\_high\_n\_spots\_h2ax\_mean



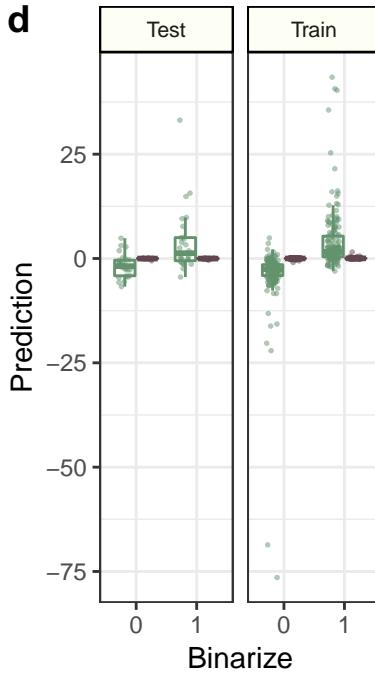
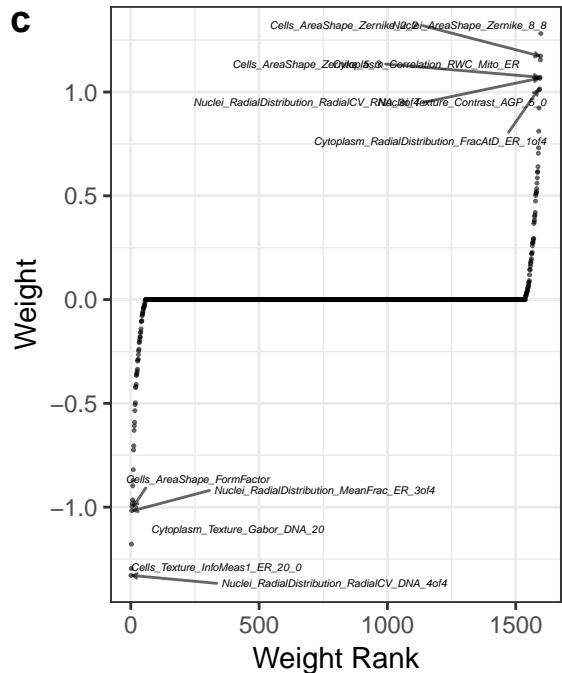
Test  
Train

Shuffled Data

Real

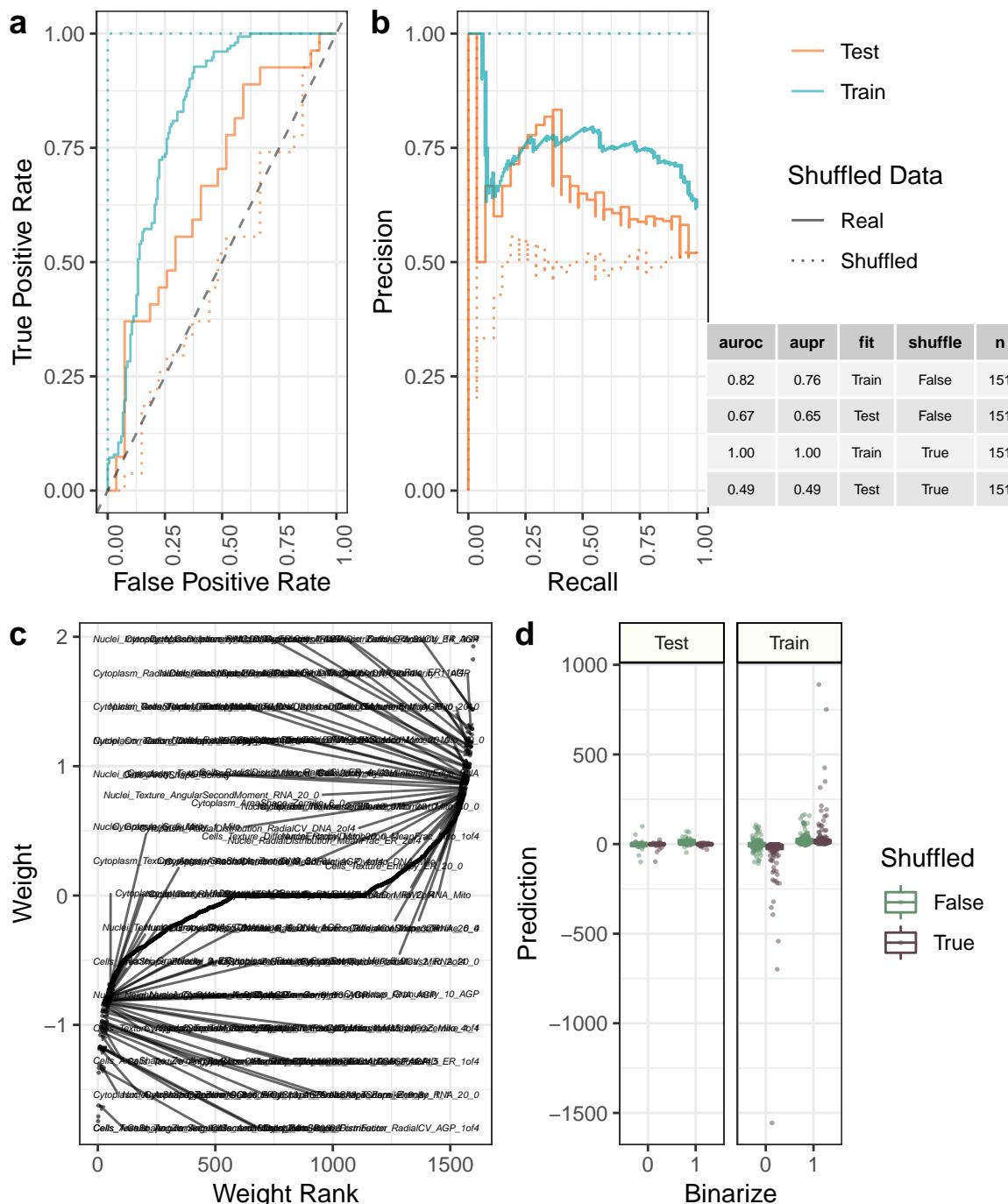
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.95	0.95	True	False	151
Test	0.81	0.83	Test	False	151
Train	0.70	0.72	Train	True	151
Test	0.48	0.58	Test	True	151

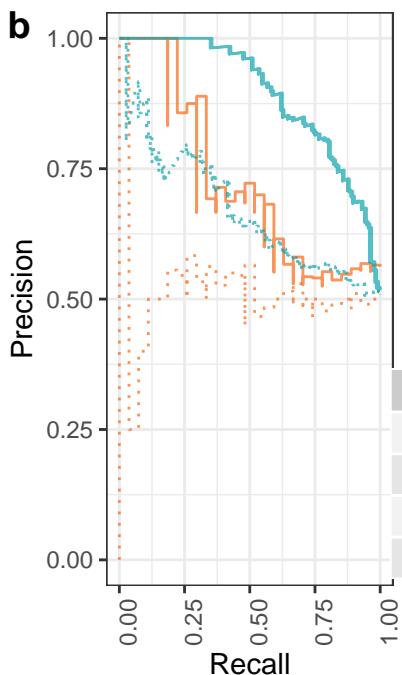
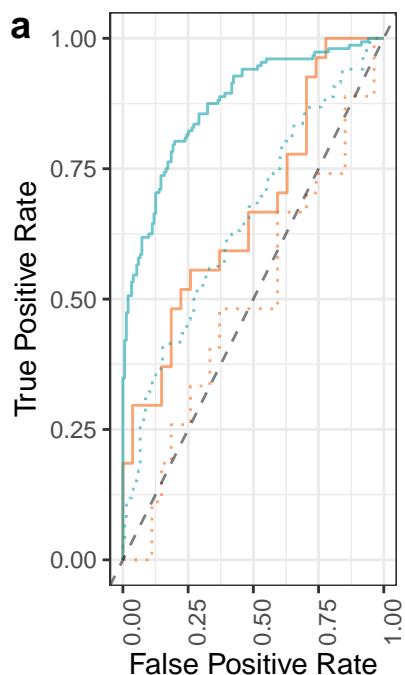


Shuffled  
False  
True

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



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



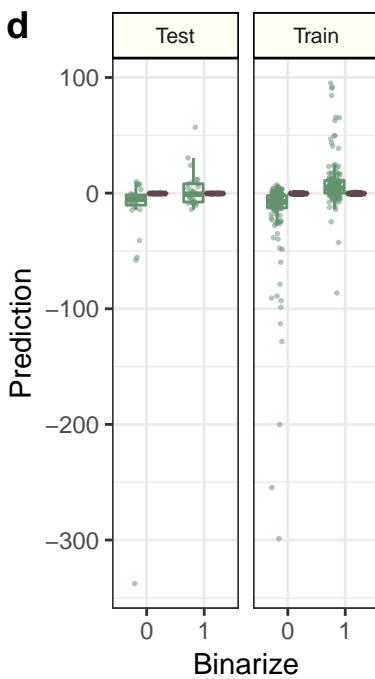
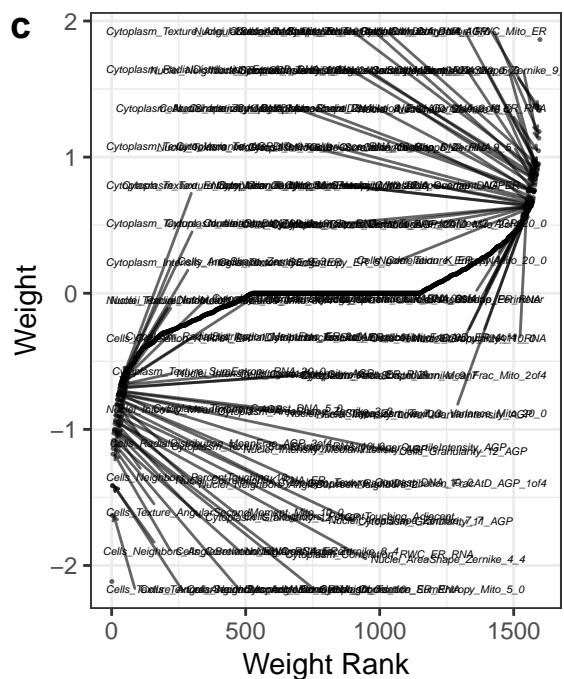
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.87	0.89	True	False	151
Test	0.67	0.71	Test	False	151
Train	0.65	0.67	Train	True	151
Test	0.50	0.50	Test	True	151

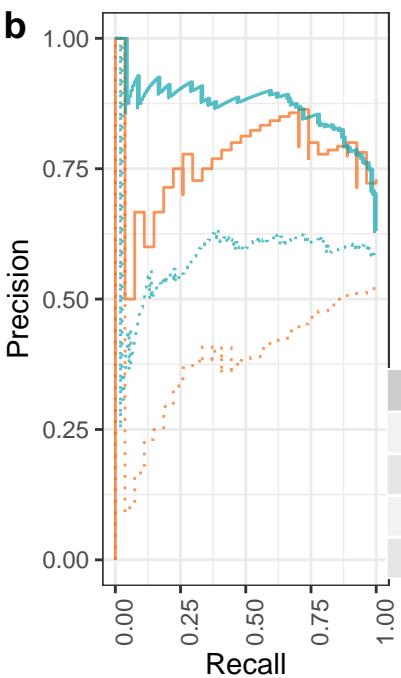
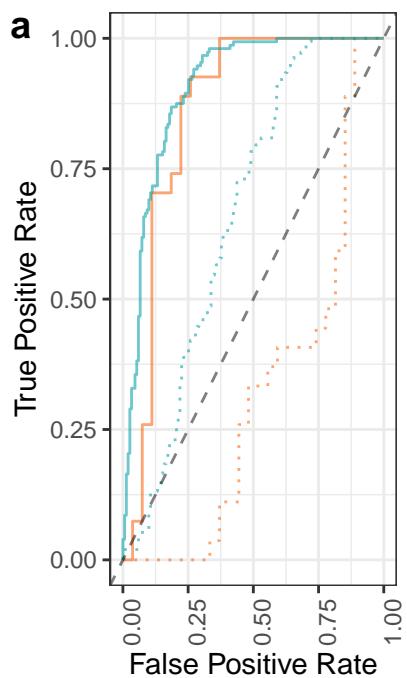


Shuffled

False

True

# Performance: cc\_all\_n\_objects



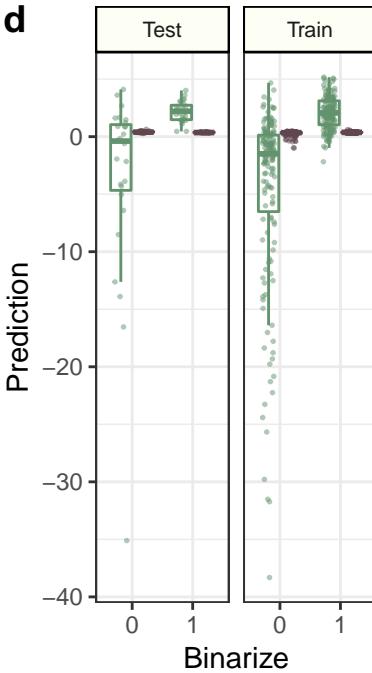
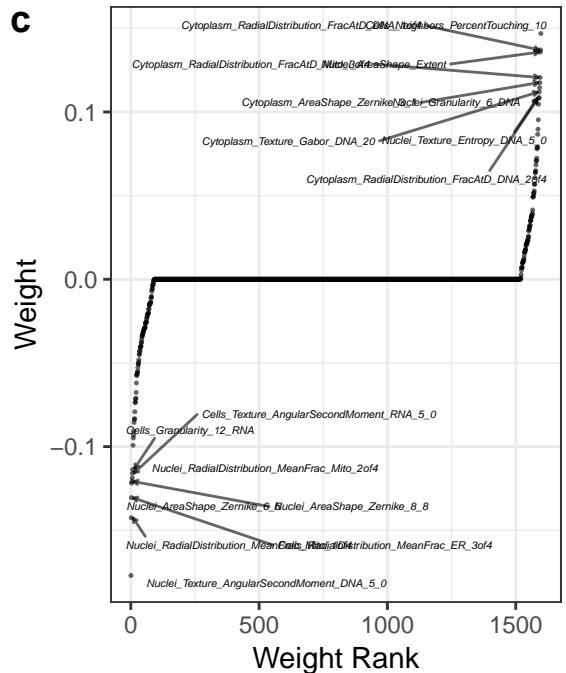
Test  
Train

Shuffled Data

Real

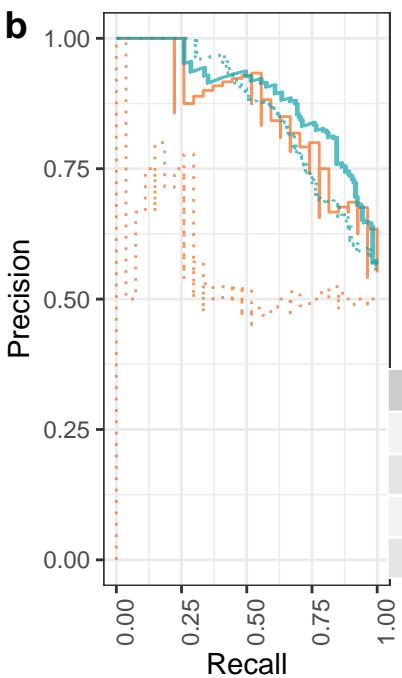
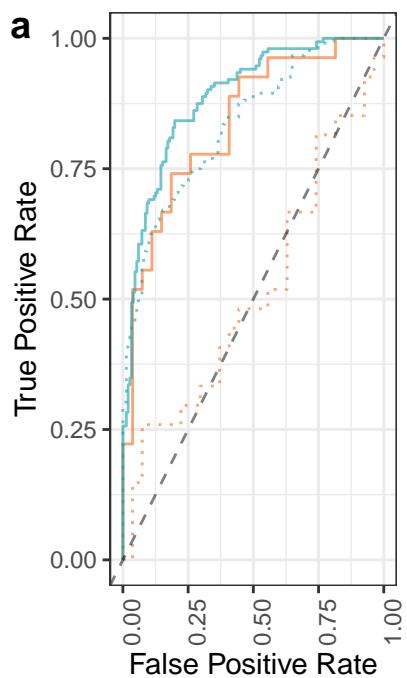
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.90	0.87	True	False	151
Test	0.86	0.76	Test	False	151
Train	0.66	0.59	Train	True	151
Test	0.32	0.39	Test	True	151



Shuffled  
False  
True

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



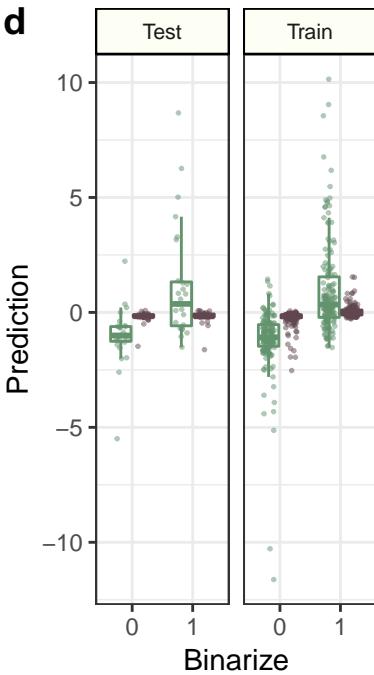
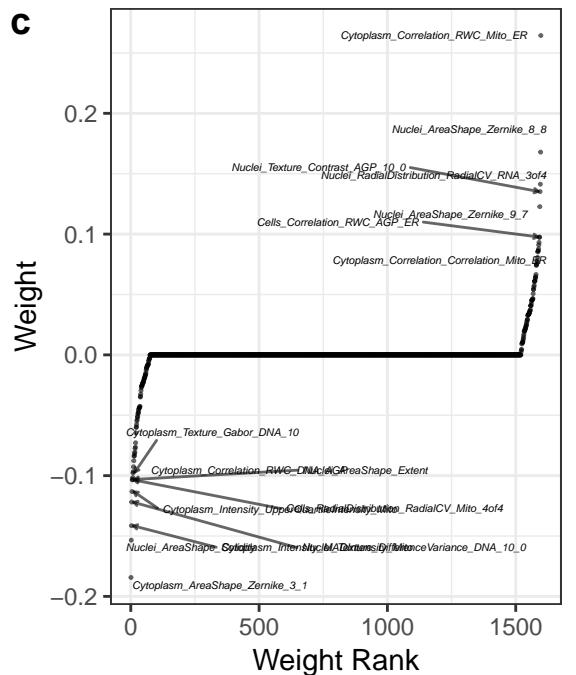
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.89	0.89	True	False	151
Test	0.84	0.85	Test	False	151
Train	0.83	0.86	Train	True	151
Test	0.51	0.56	Test	True	151

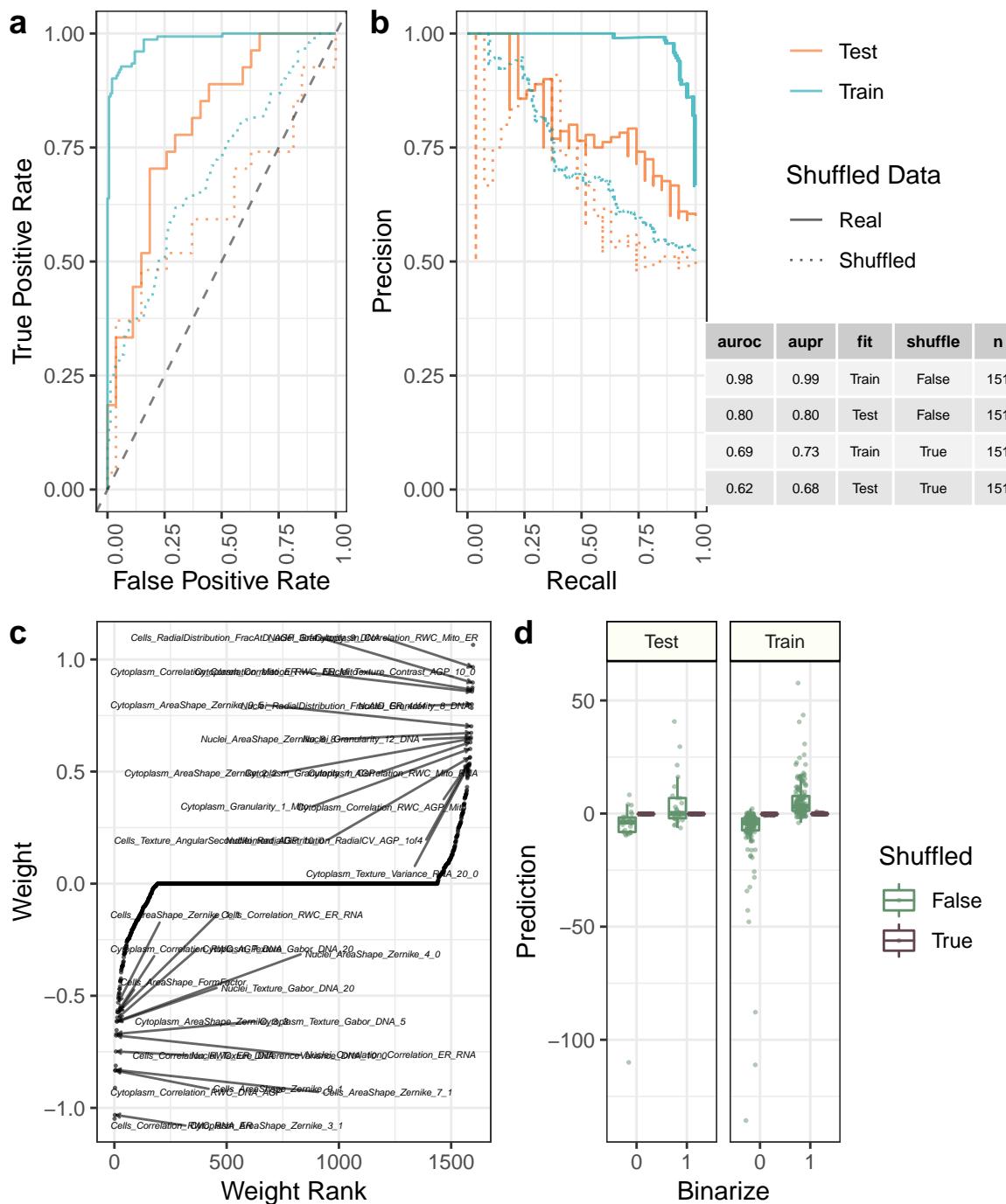


Shuffled

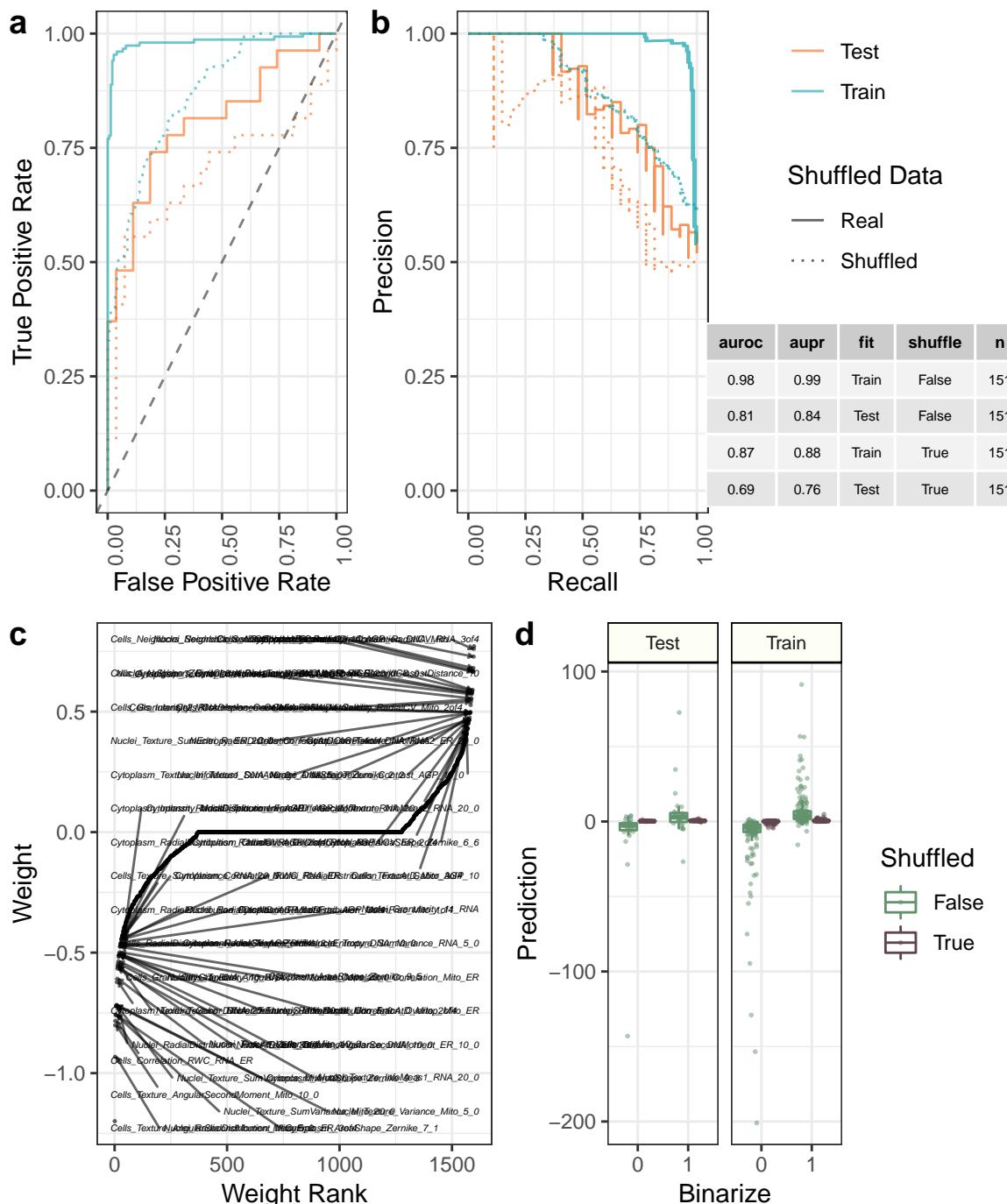
False

True

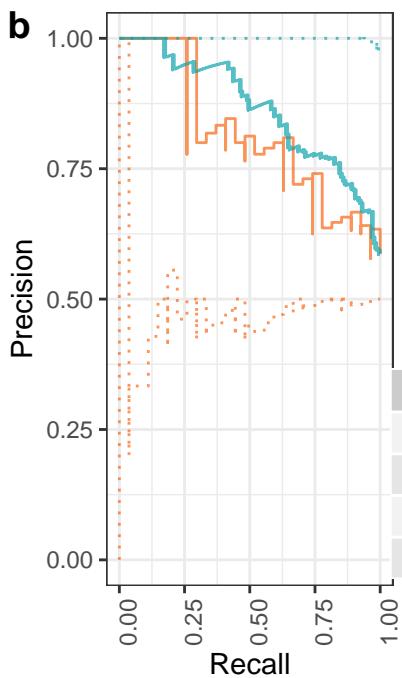
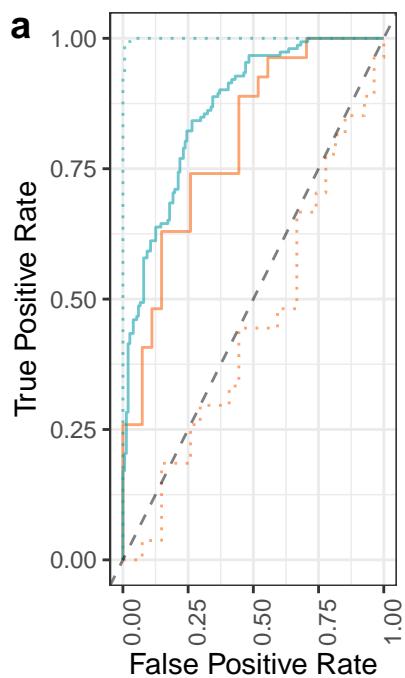
# Performance: cc\_all\_n\_spots\_per\_nucleus\_area\_mean



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



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



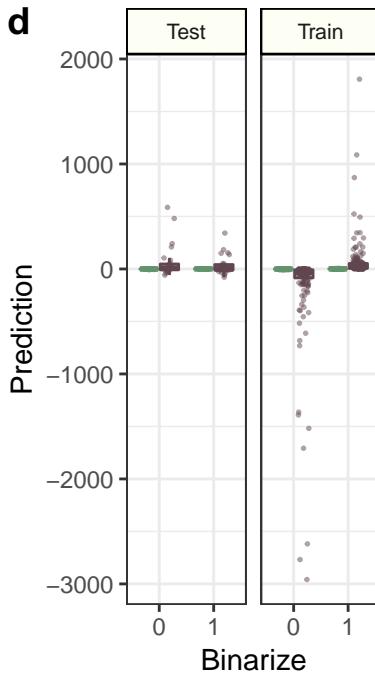
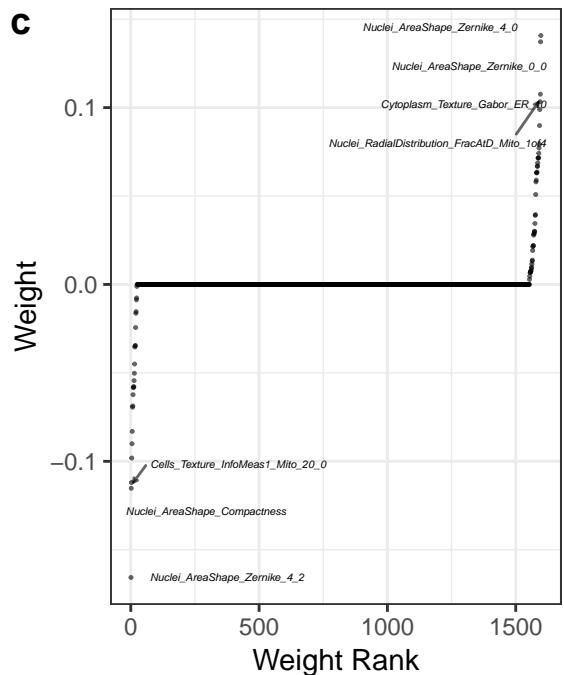
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.86	0.87	True	False	151
Test	0.80	0.81	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.45	0.47	Test	True	151

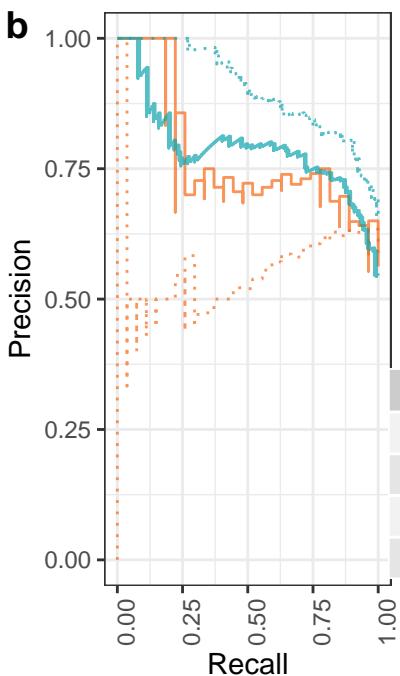
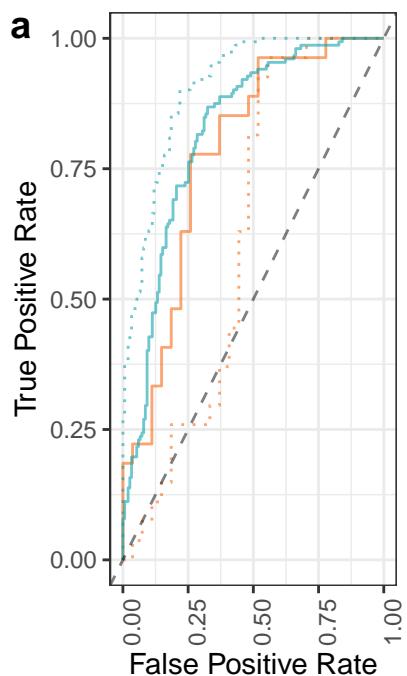


Shuffled

False

True

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



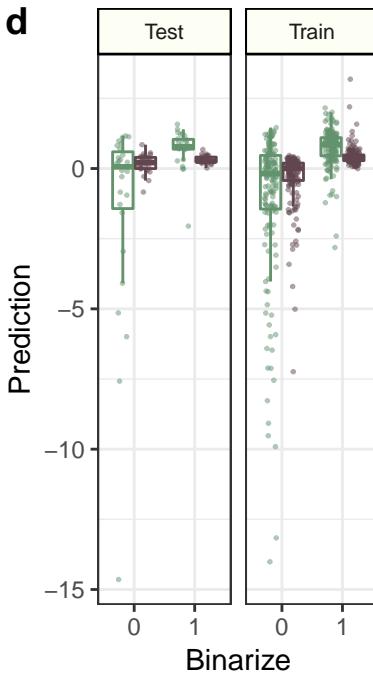
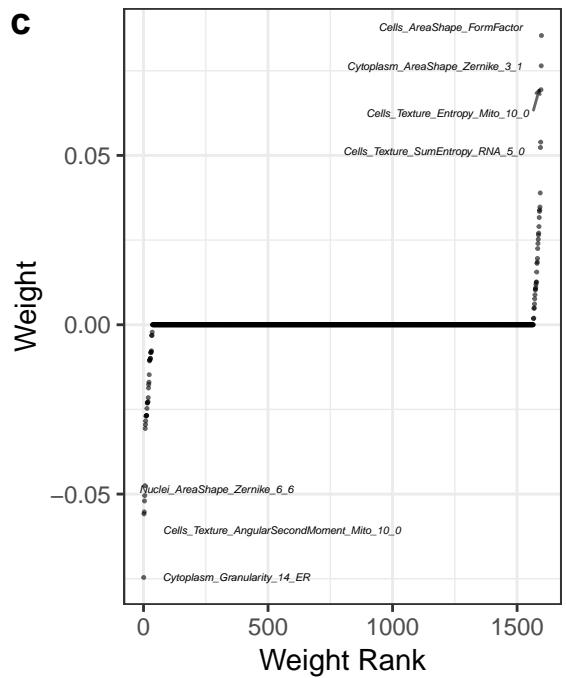
Test  
Train

Shuffled Data

Real

Shuffled

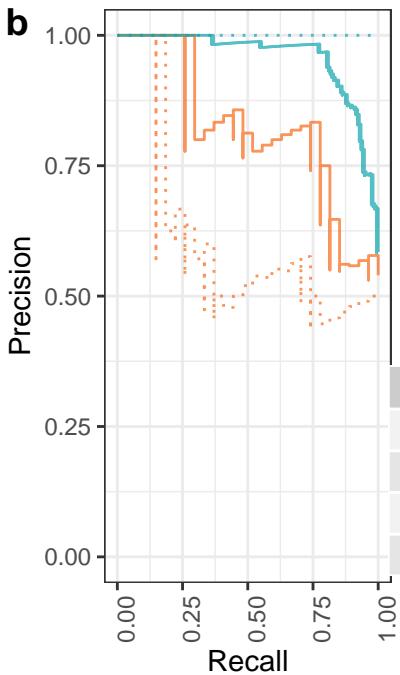
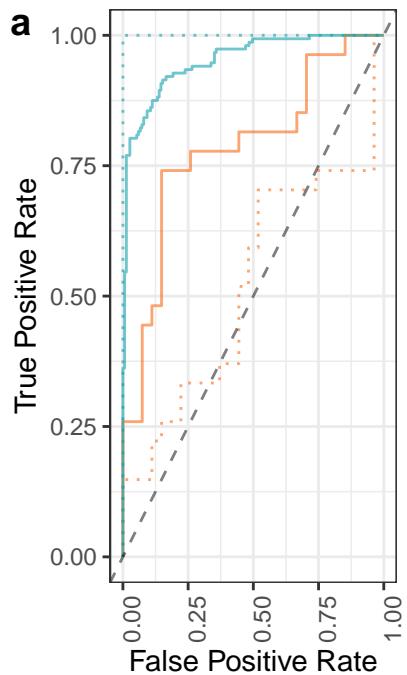
	auroc	aupr	fit	shuffle	n
Train	0.82	0.79	True	False	151
Test	0.78	0.76	Test	False	151
Train	0.91	0.90	Train	True	151
Test	0.62	0.56	Test	True	151



Shuffled

False  
True

## Performance: cc\_cc\_g1\_mean

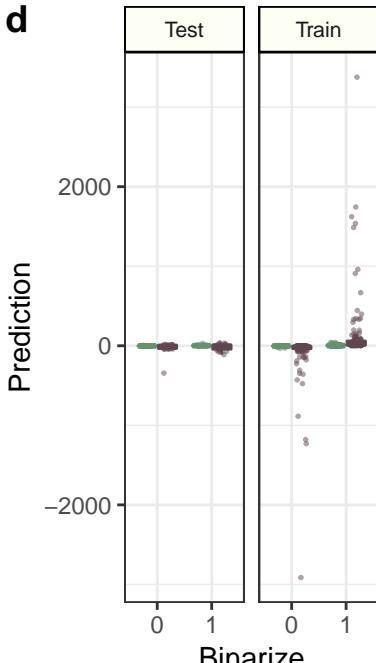
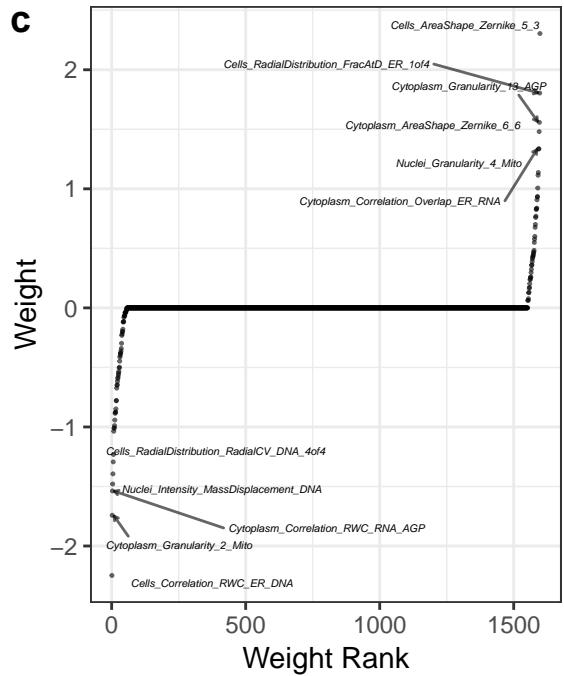


## Shuffled Data

— Real

..... Shuffled

auroc	aupr	fit	shuffle	n
0.95	0.96	Train	False	151
0.78	0.81	Test	False	151
1.00	1.00	Train	True	151
0.50	0.50	Test	True	151

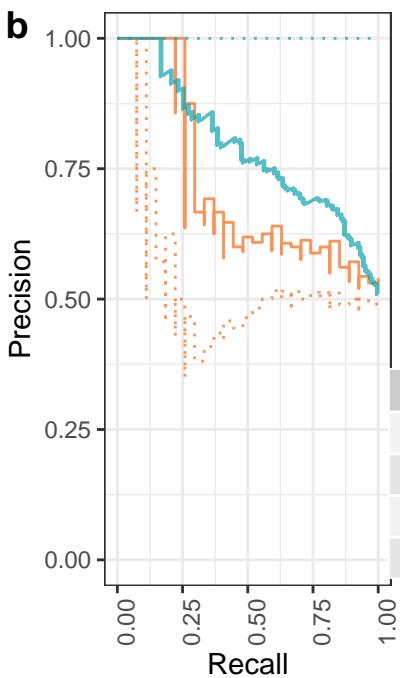
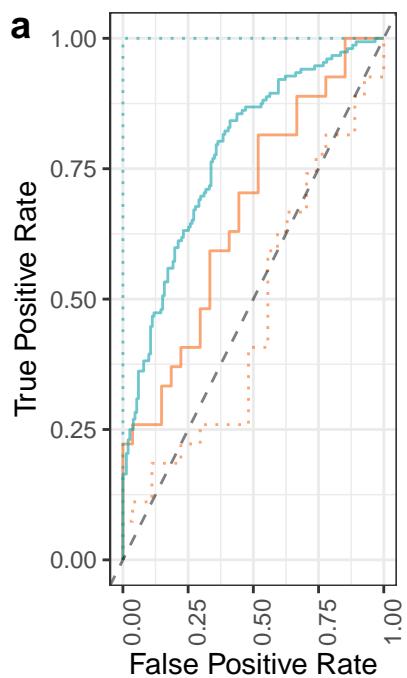


## Shuffled

False

True

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

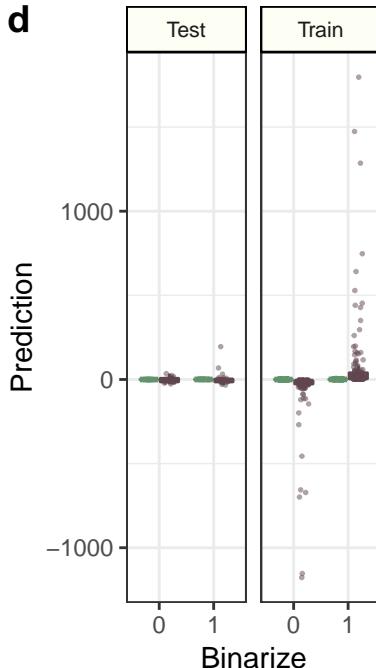
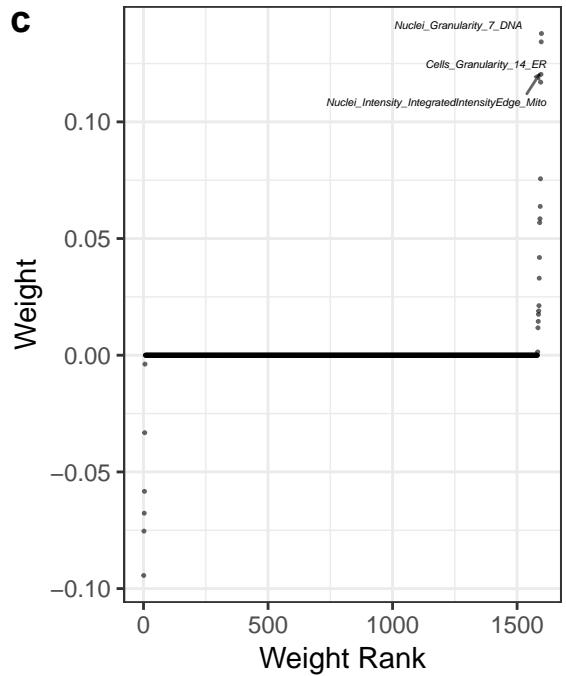


Test  
Train

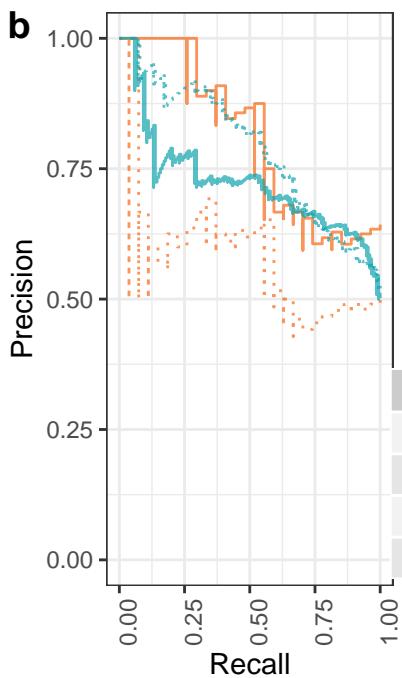
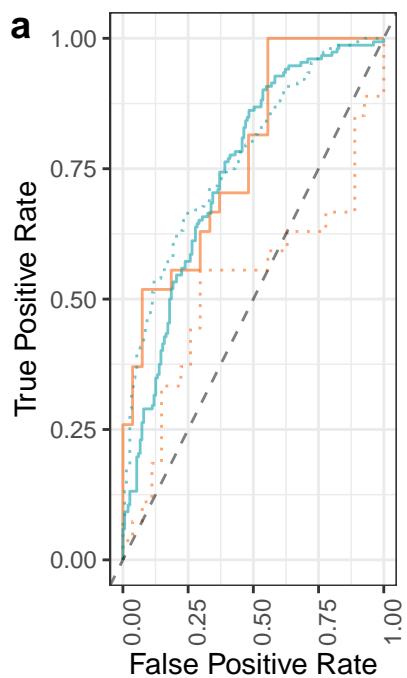
Shuffled Data

Real  
Shuffled

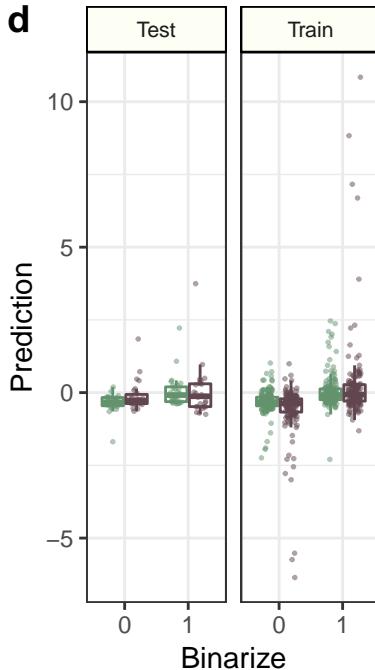
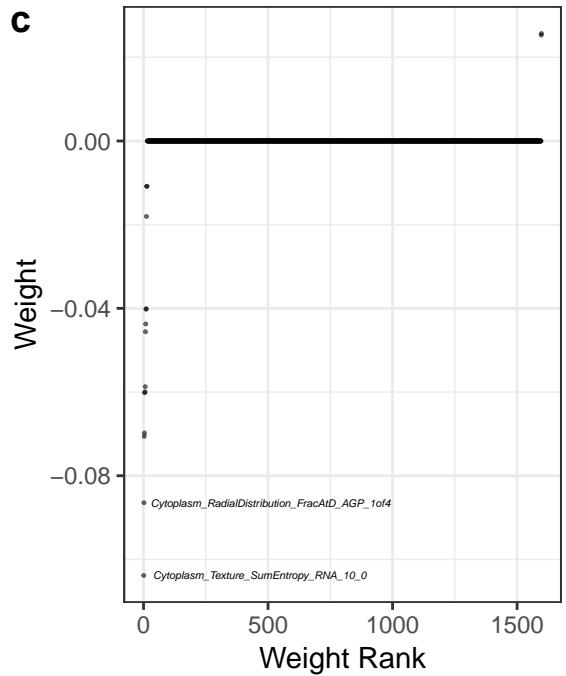
	auroc	aupr	fit	shuffle	n
Train	0.78	0.79	True	False	151
Test	0.67	0.70	False	True	151
Train	1.00	1.00	True	True	151
Test	0.47	0.54	Test	True	151



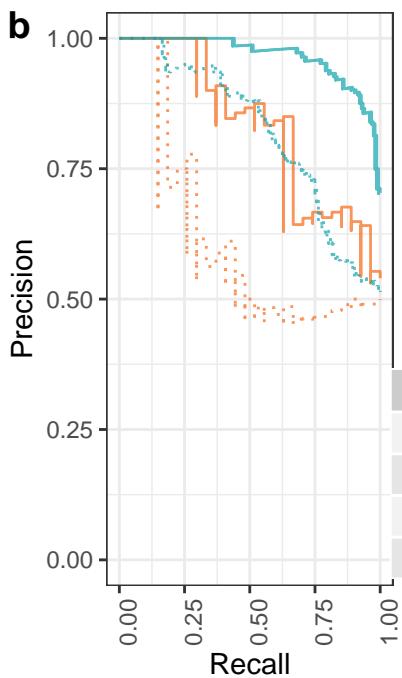
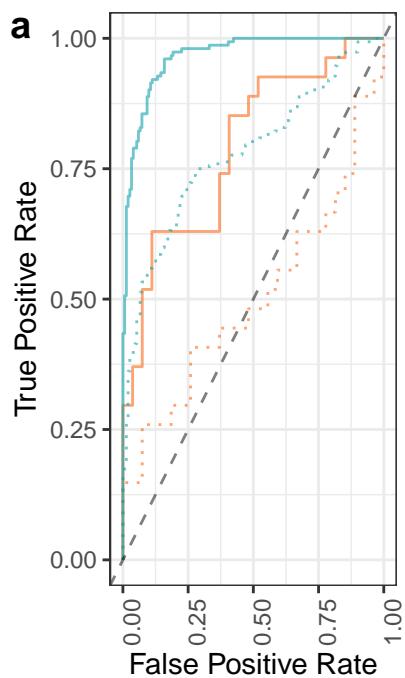
# Performance: cc\_cc\_g2\_ph3\_pos\_early\_mitosis\_mean



	auroc	aupr	fit	shuffle	n
Train	0.74	0.72	True	False	151
Test	0.77	0.80	Test	False	151
Train	0.77	0.79	Train	True	151
Test	0.52	0.58	Test	True	151



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



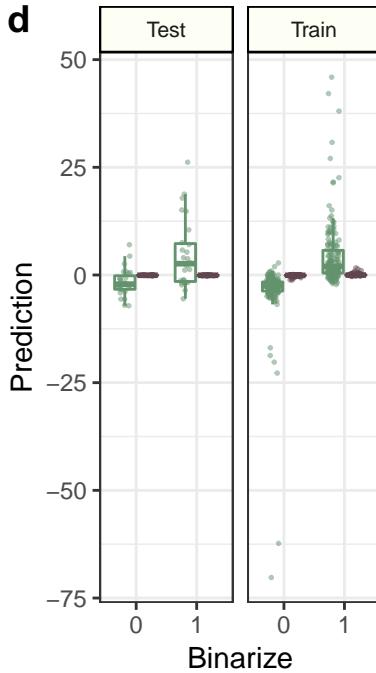
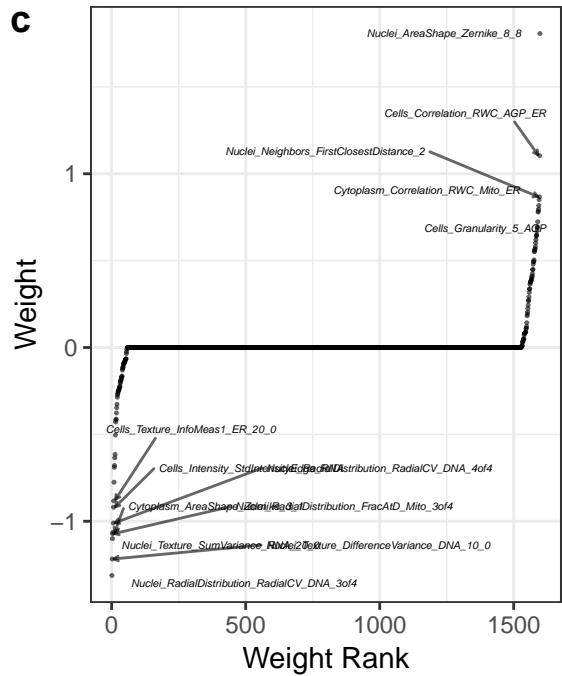
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.97	0.97	Train	False	151
Train	0.79	0.82	Test	False	151
True	0.78	0.82	Train	True	151
False	0.50	0.61	Test	True	151

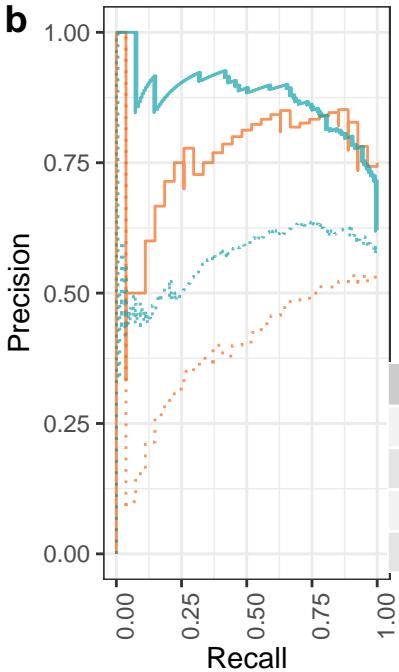
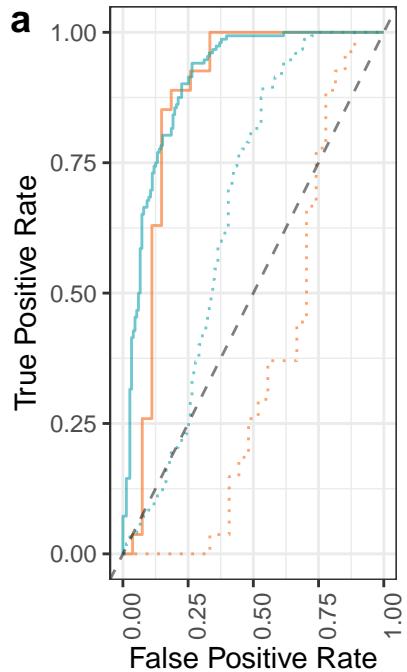


Shuffled

False

True

# Performance: cc\_cc\_n\_objects



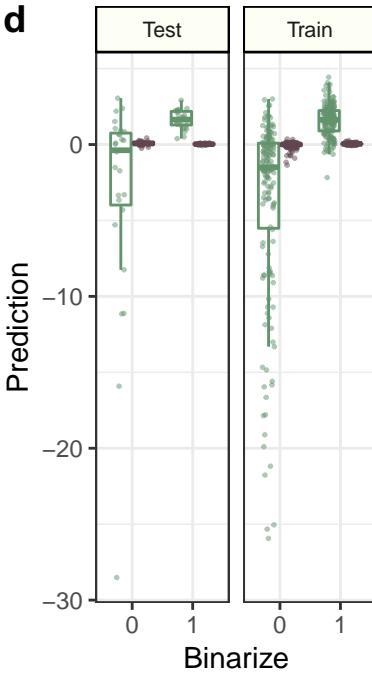
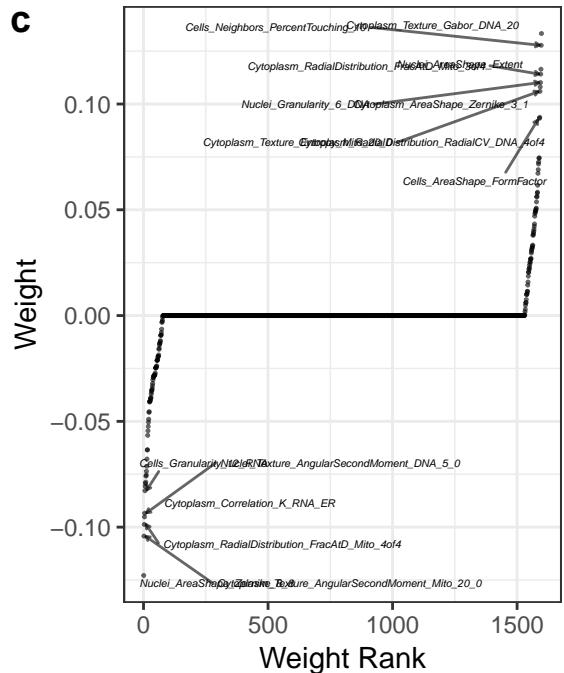
Test  
Train

Shuffled Data

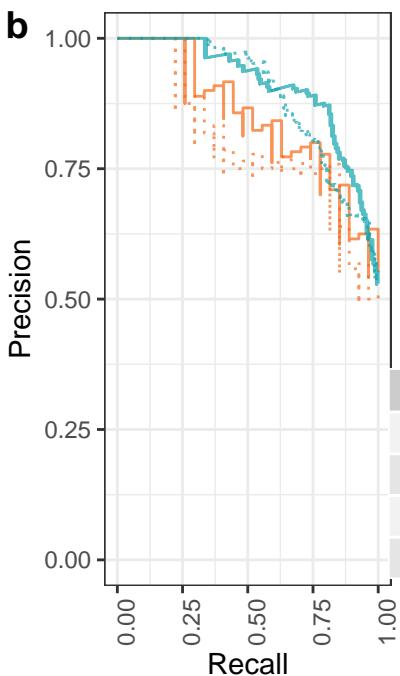
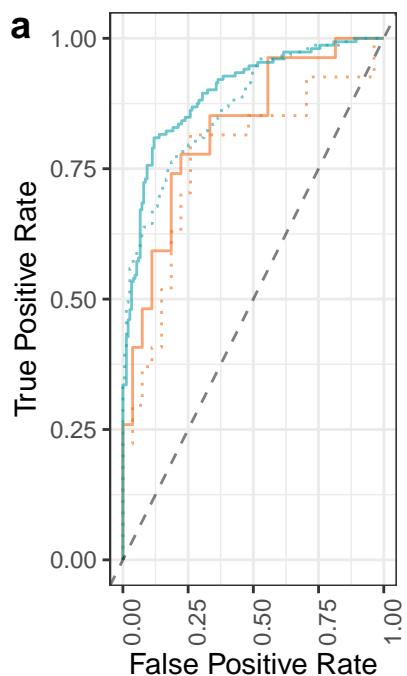
Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.91	0.88	True	False	151
Test	0.87	0.76	Test	False	151
Train	0.66	0.57	Train	True	151
Test	0.36	0.41	Test	True	151



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



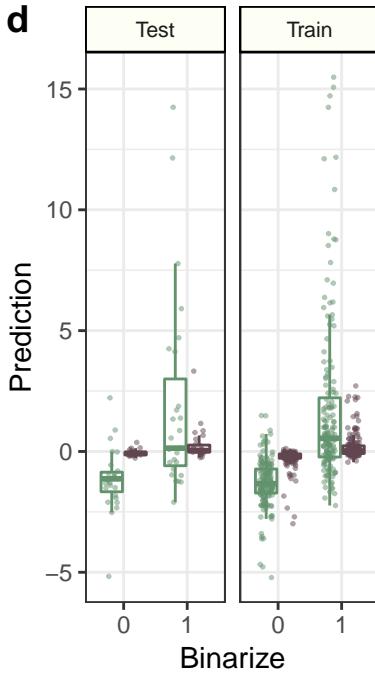
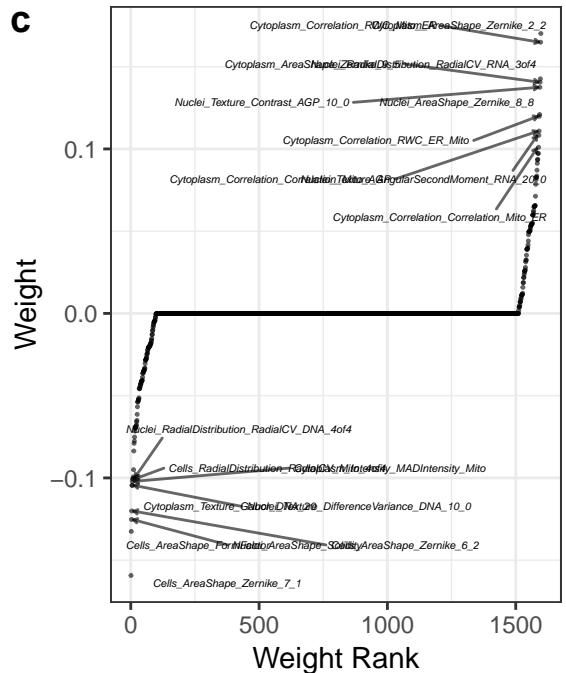
Test  
Train

Shuffled Data

Real

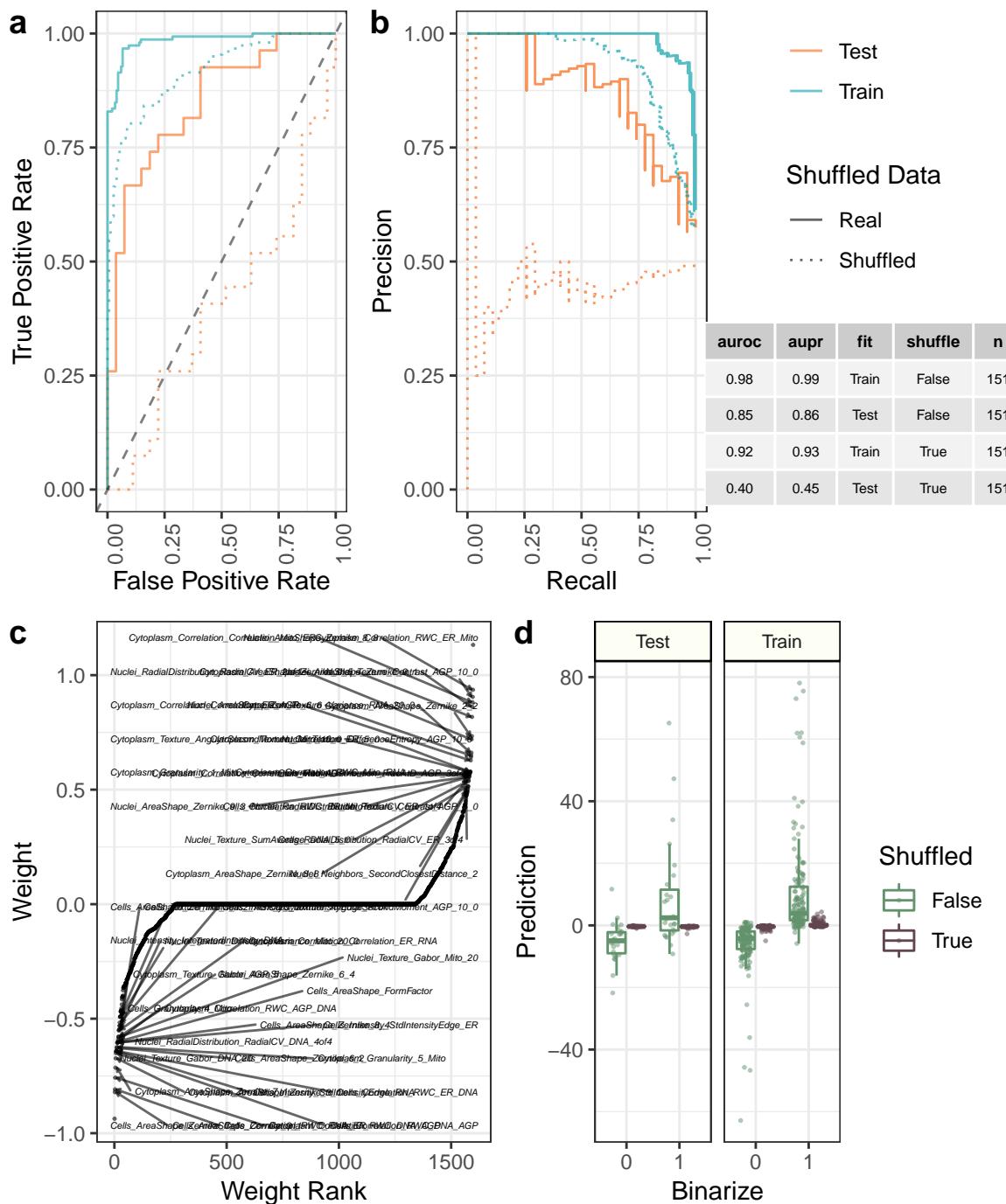
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.90	0.91	True	False	151
Test	0.82	0.84	Test	False	151
Train	0.87	0.89	Train	True	151
Test	0.76	0.79	Test	True	151

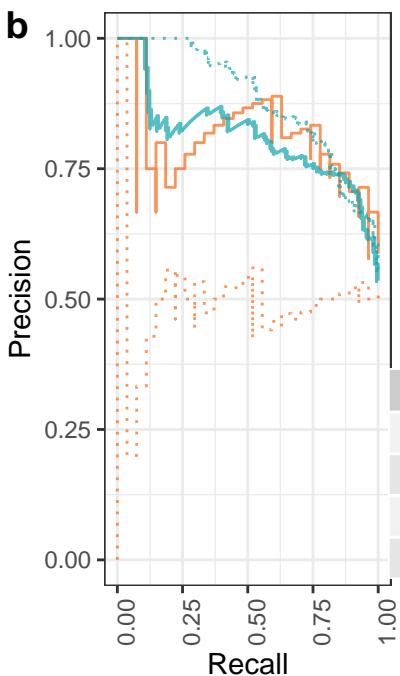
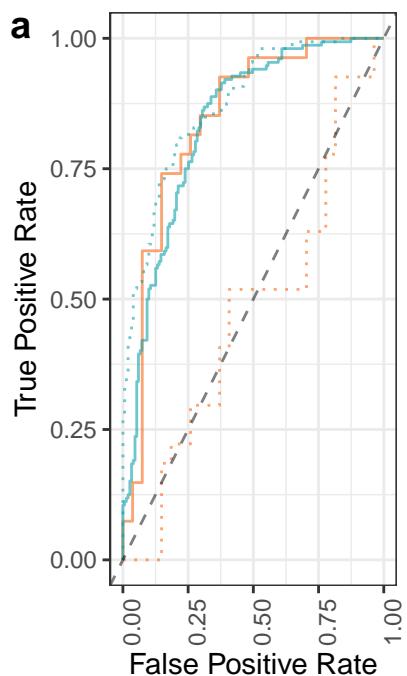


Shuffled  
False  
True

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



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

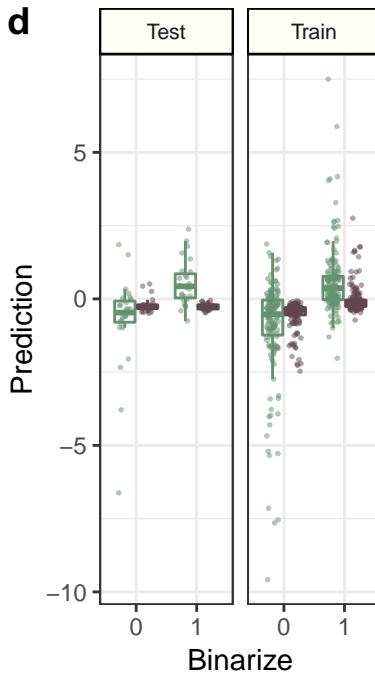
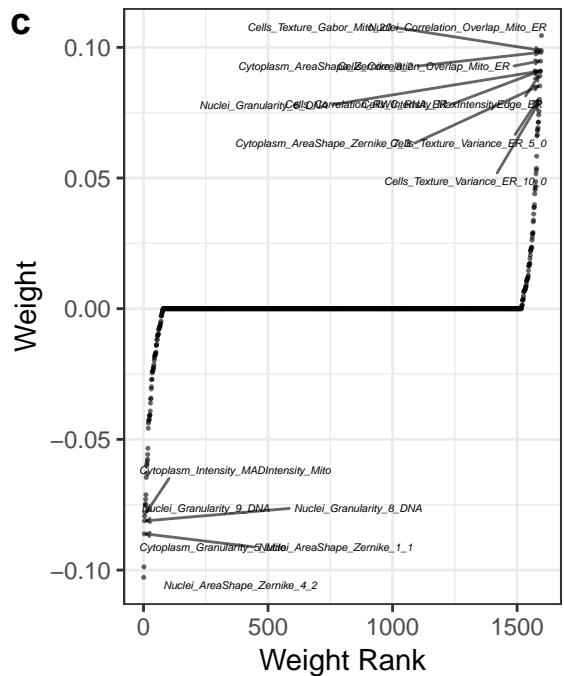


Shuffled Data

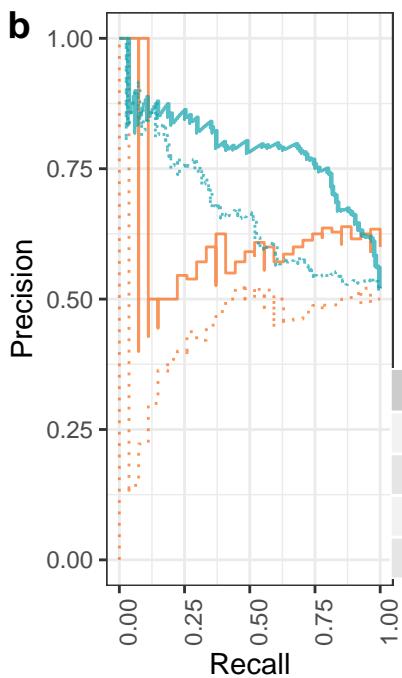
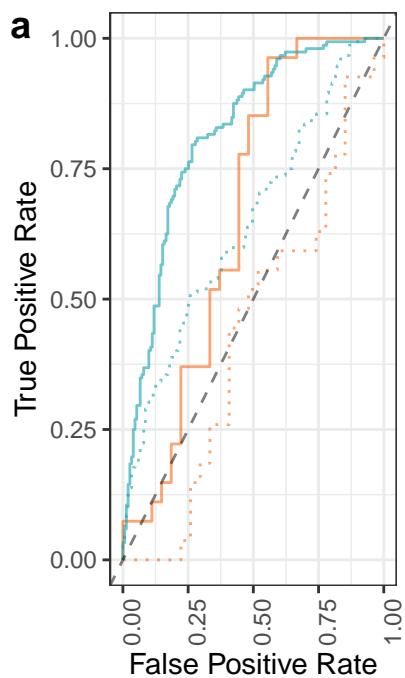
Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.83	0.81	True	False	151
Test	0.84	0.80	Test	False	151
Train	0.87	0.88	Train	True	151
Test	0.47	0.48	Test	True	151



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



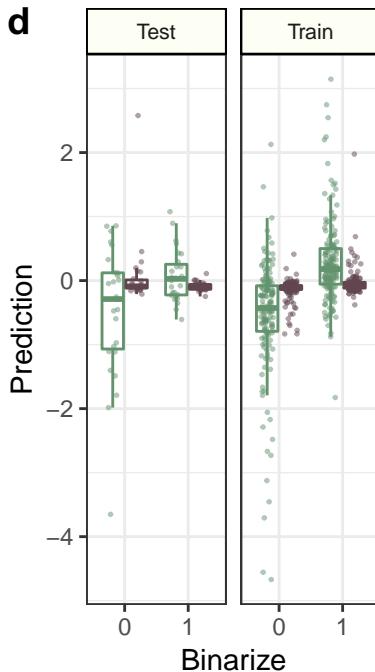
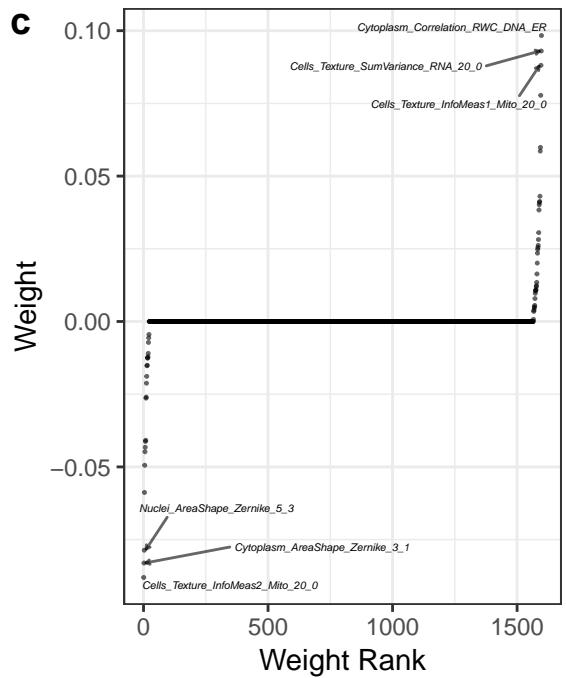
Test  
Train

Shuffled Data

Real

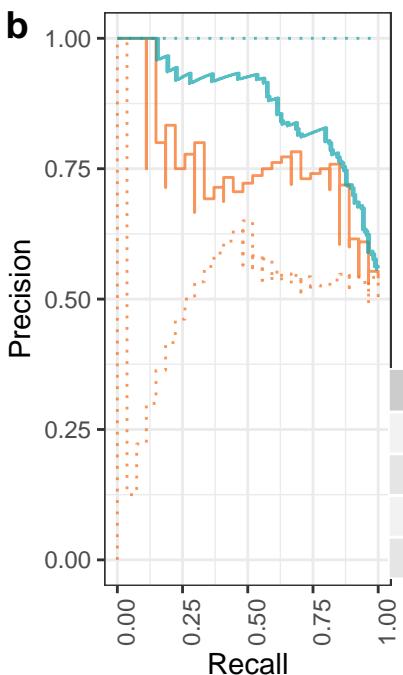
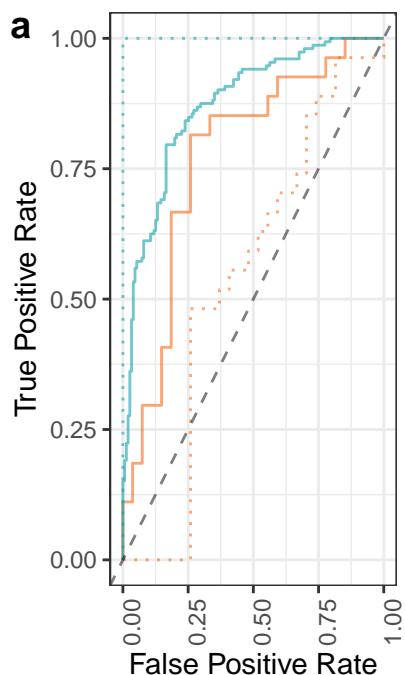
Shuffled

auroc	aupr	fit	shuffle	n
0.81	0.79	Train	False	151
0.66	0.62	Test	False	151
0.65	0.67	Train	True	151
0.43	0.45	Test	True	151



Shuffled  
False  
True

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



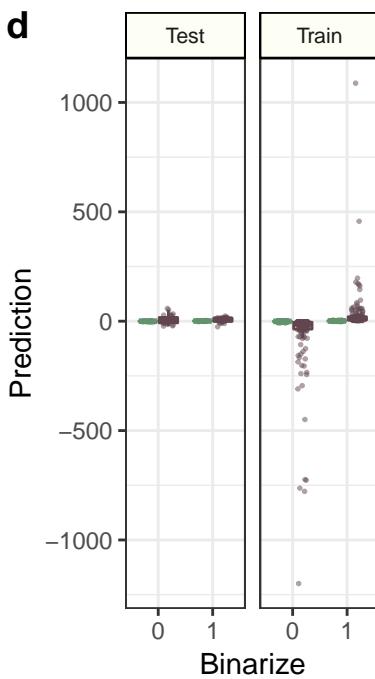
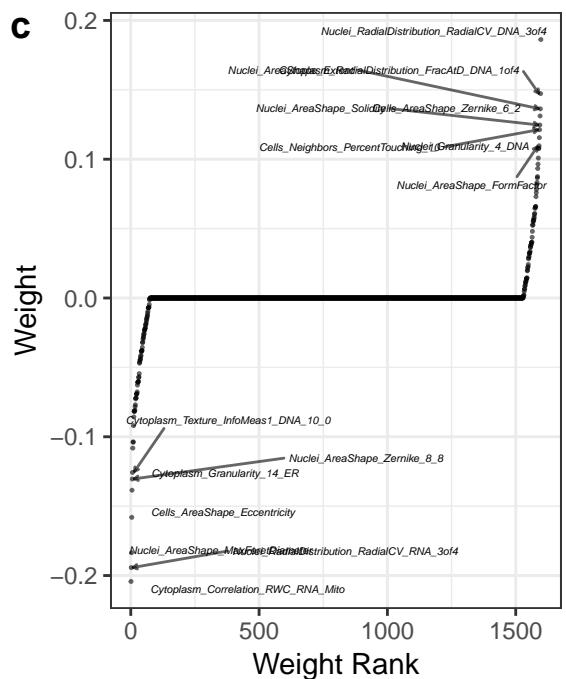
Test  
Train

Shuffled Data

Real

Shuffled

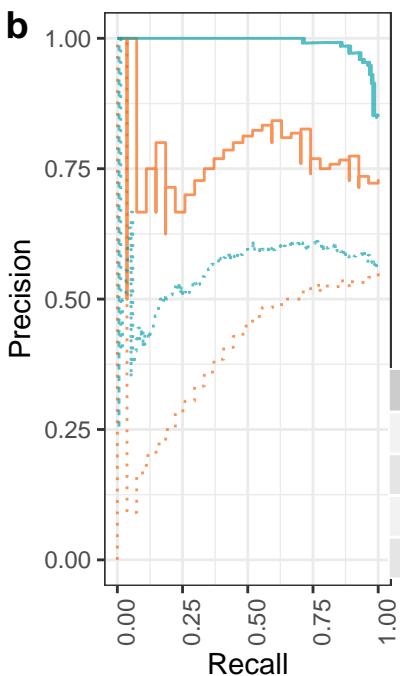
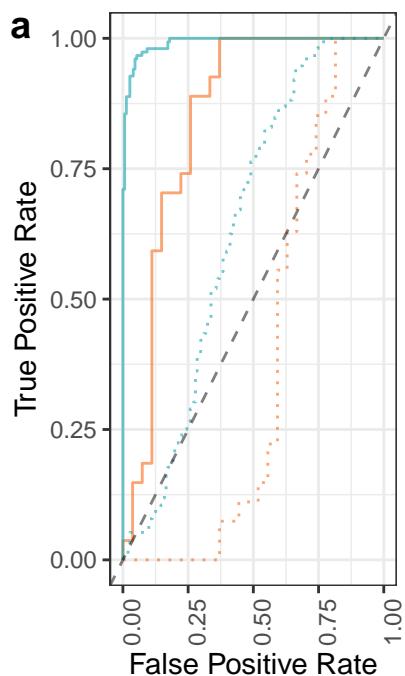
	auroc	aupr	fit	shuffle	n
Test	0.87	0.87	Train	False	151
Train	0.77	0.75	Test	False	151
True	1.00	1.00	Train	True	151
False	0.54	0.50	Test	True	151



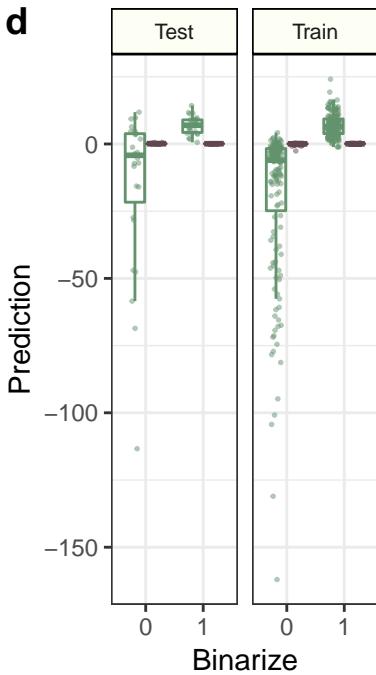
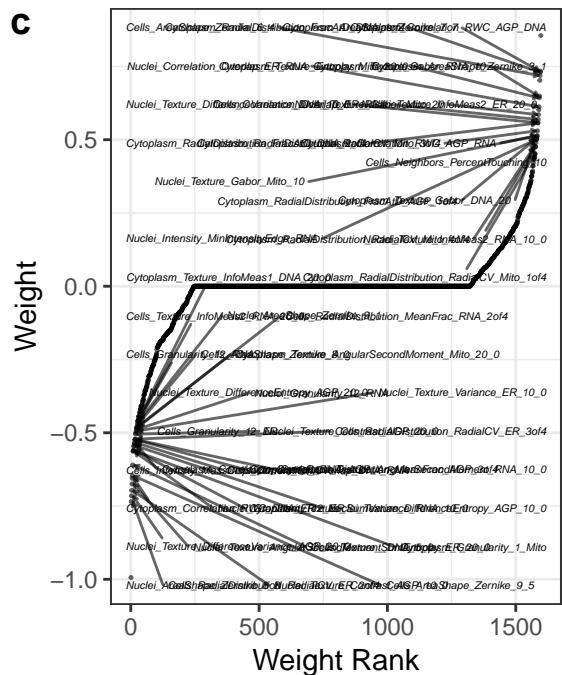
Shuffled

- False
- True

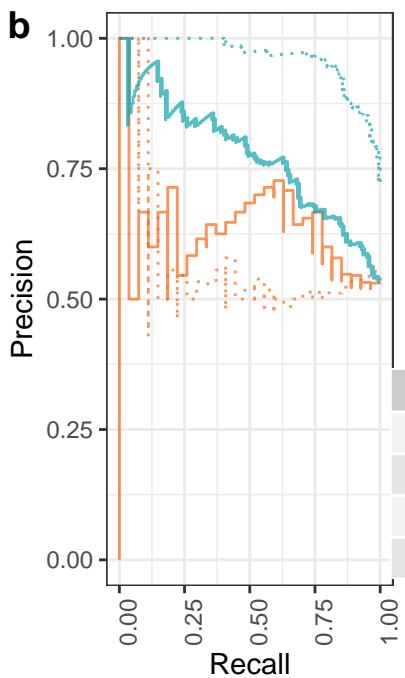
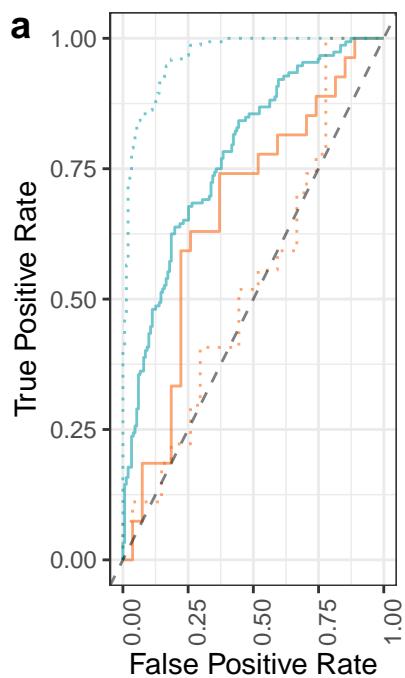
# Performance: cc\_edu\_pos\_alexa647\_intensity\_nucleus\_area\_su



auroc	aupr	fit	shuffle	n
0.99	0.99	Train	False	151
0.84	0.77	Test	False	151
0.63	0.56	Train	True	151
0.38	0.41	Test	True	151



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



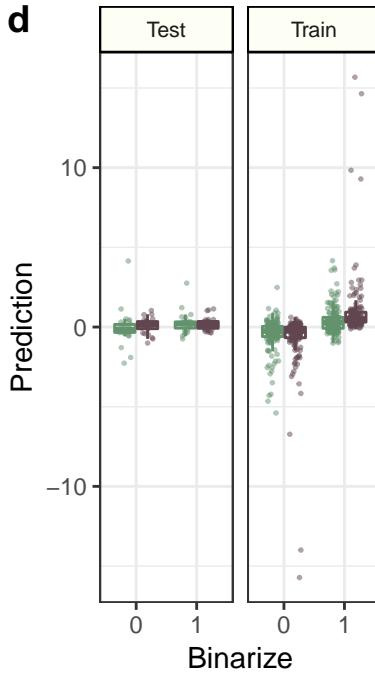
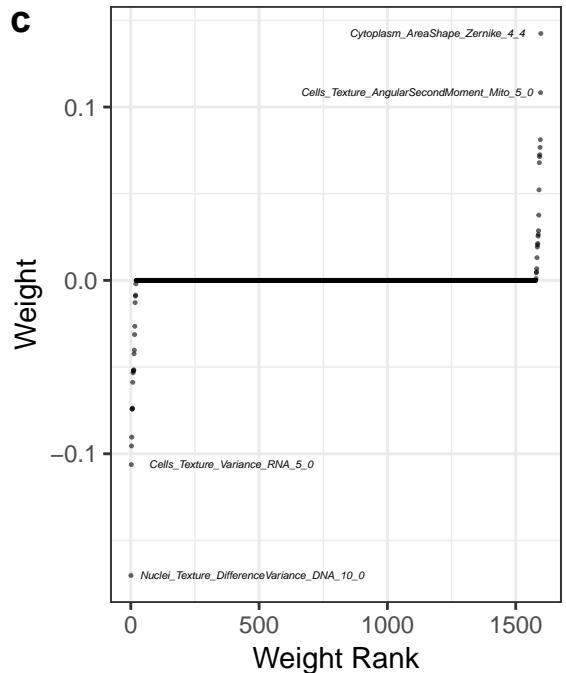
Test  
Train

Shuffled Data

Real

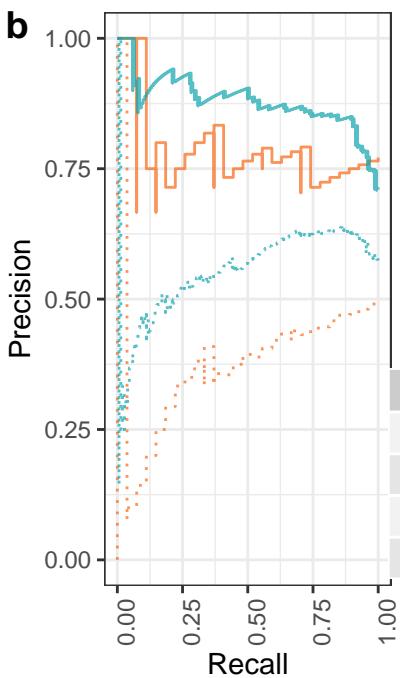
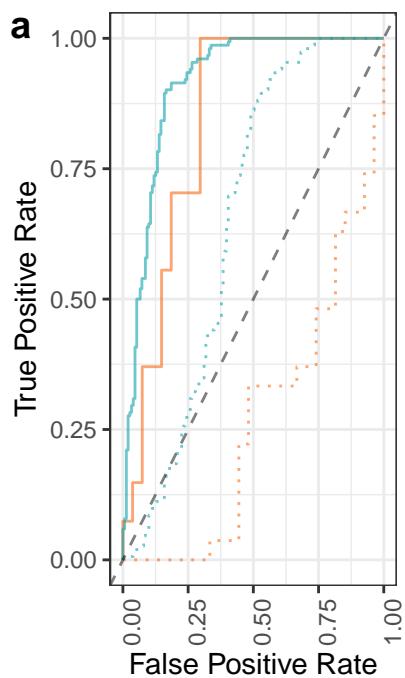
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.78	0.77	True	False	151
Test	0.66	0.62	Test	False	151
Train	0.96	0.96	Train	True	151
Test	0.54	0.57	Test	True	151



Shuffled  
False  
True

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



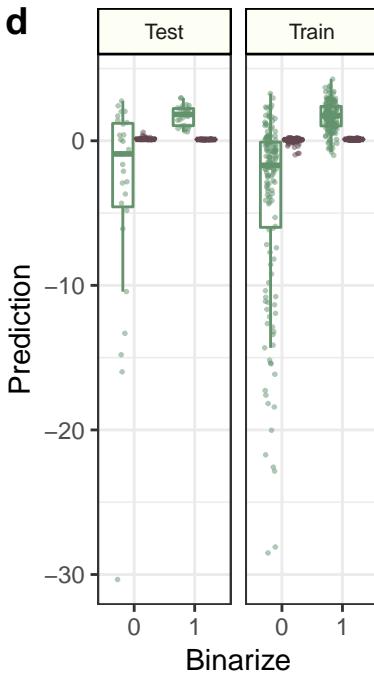
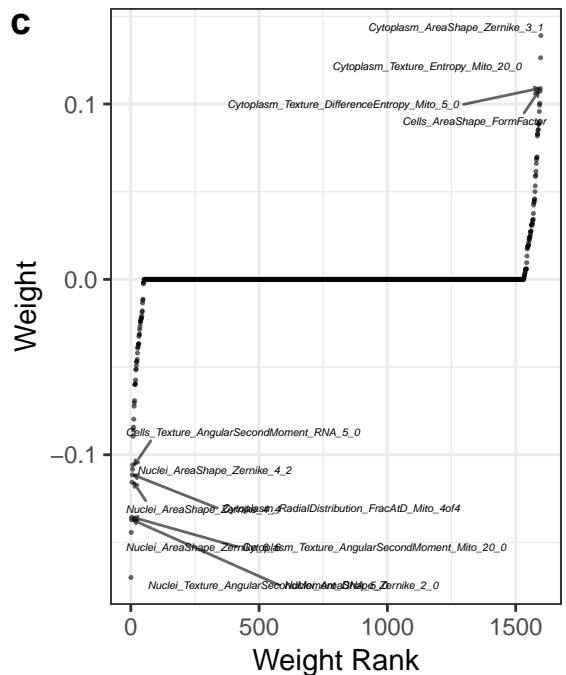
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.91	0.88	Train	False	151
Train	0.84	0.78	Test	False	151
Real	0.65	0.56	Train	True	151
Shuffled	0.27	0.38	Test	True	151

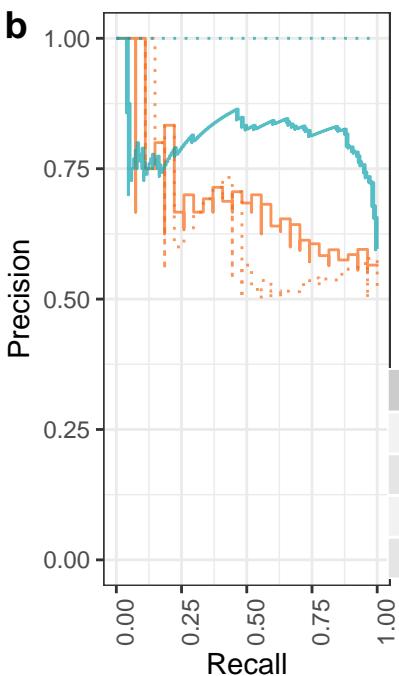
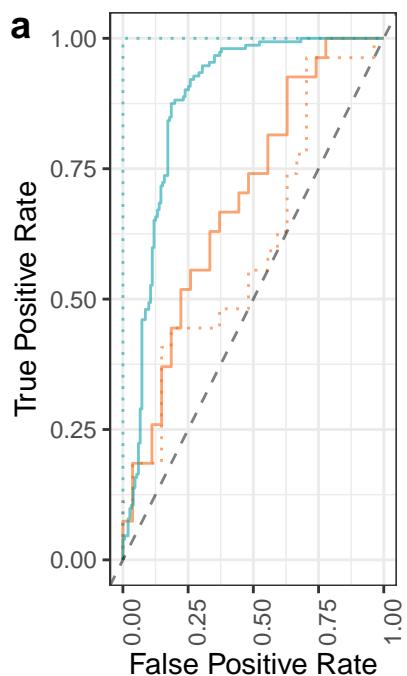


Shuffled

False

True

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



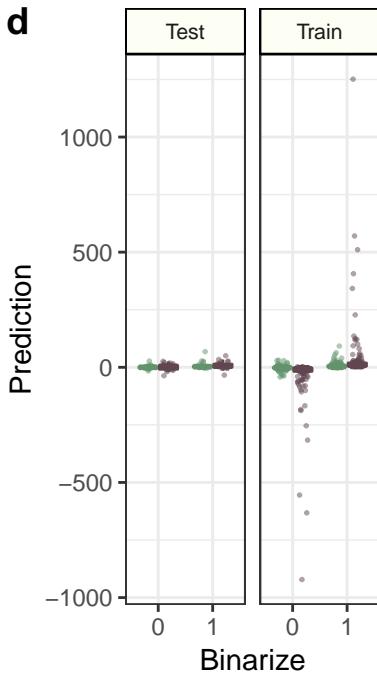
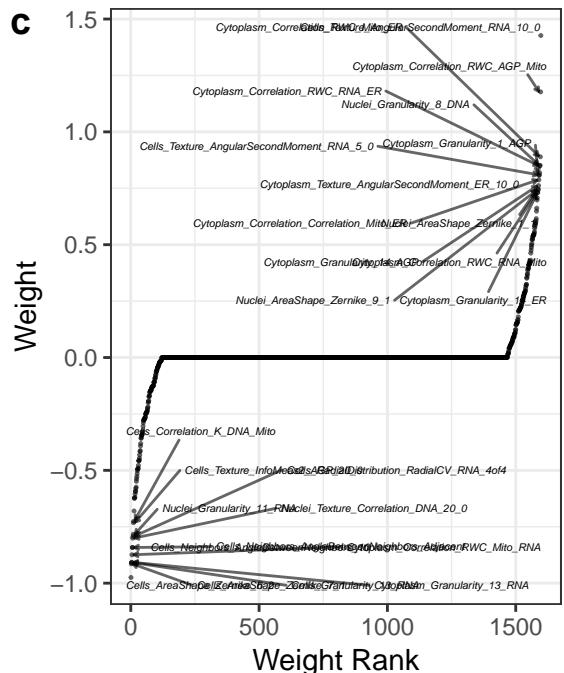
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.88	0.81	True	False	151
Test	0.69	0.69	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.60	0.65	Test	True	151

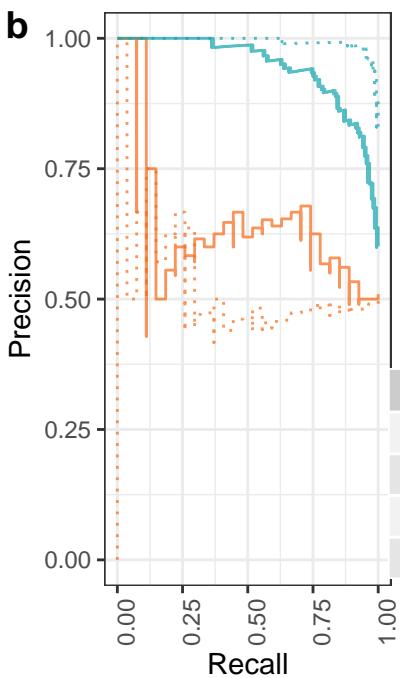
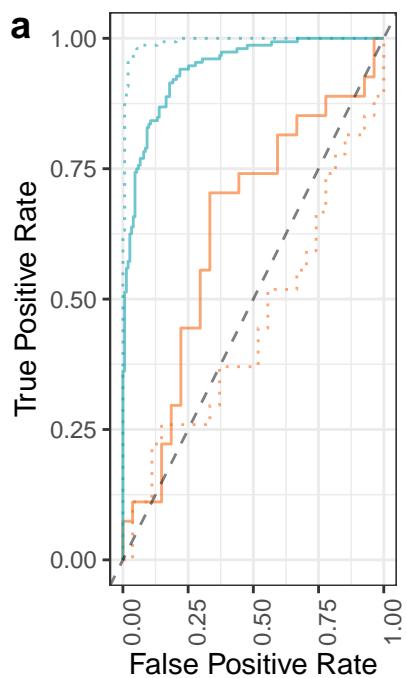


Shuffled

False

True

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

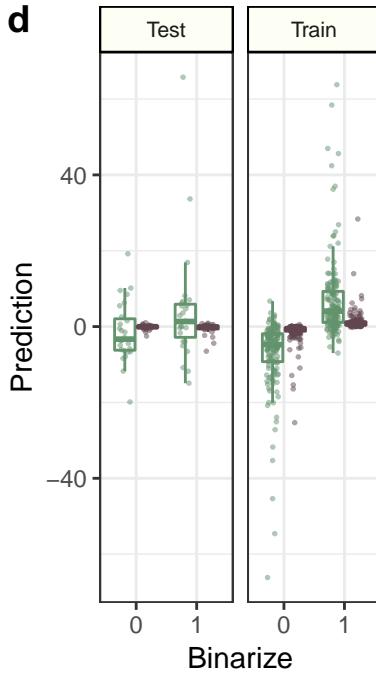
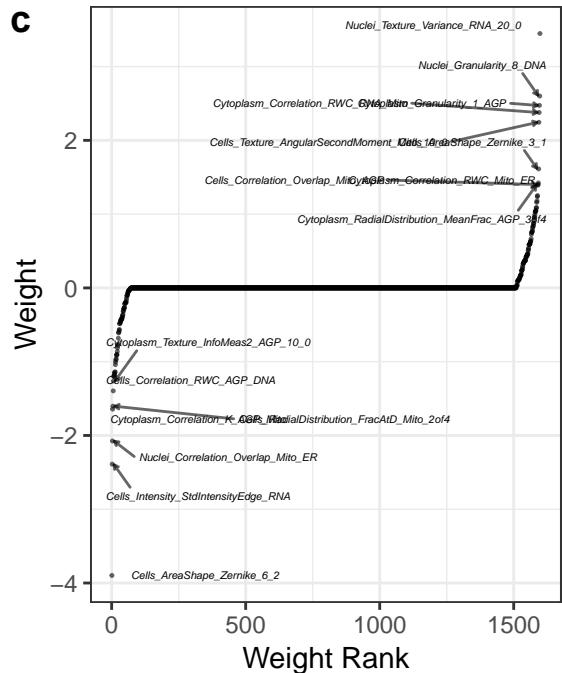


Shuffled Data

Real

Shuffled

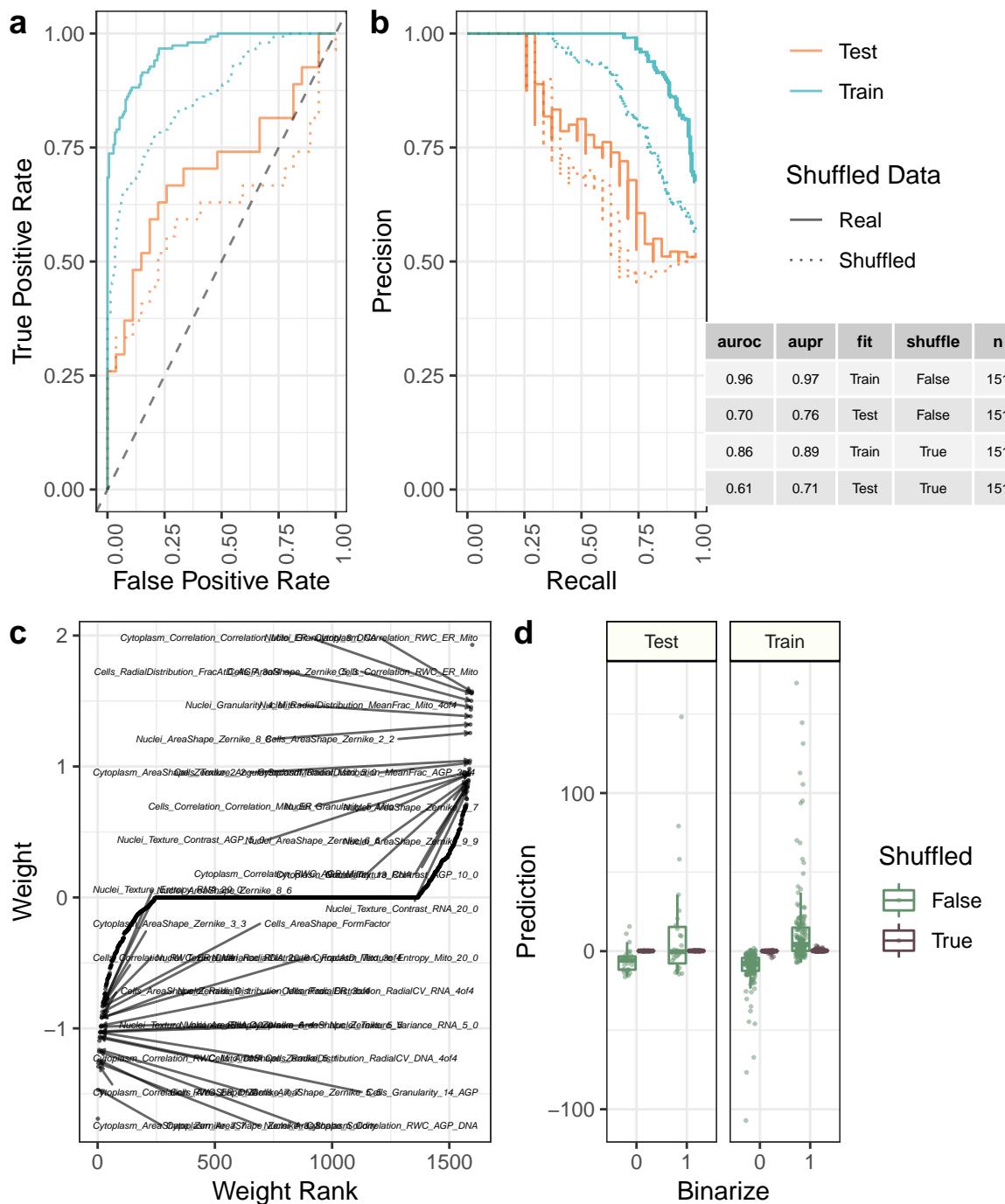
	auroc	aupr	fit	shuffle	n
Train	0.94	0.94	True	False	151
Test	0.63	0.63	Test	False	151
Train	0.99	0.99	Train	True	151
Test	0.45	0.52	Test	True	151



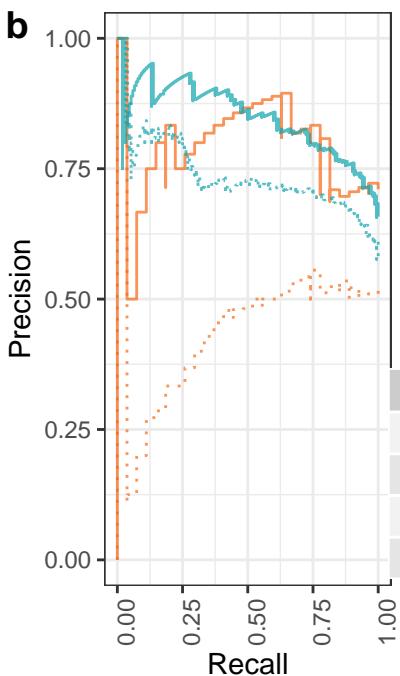
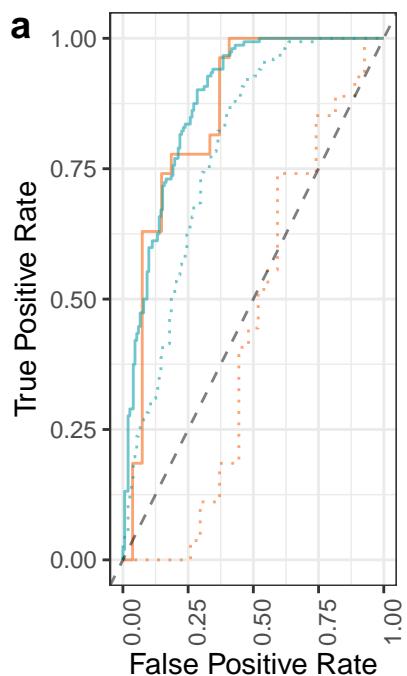
Shuffled

- False
- True

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



# Performance: cc\_g1\_n\_objects



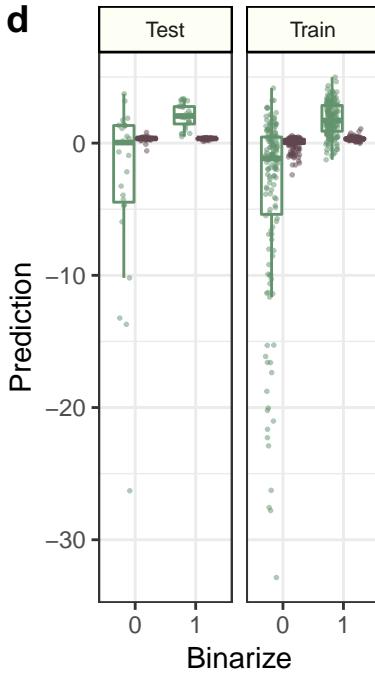
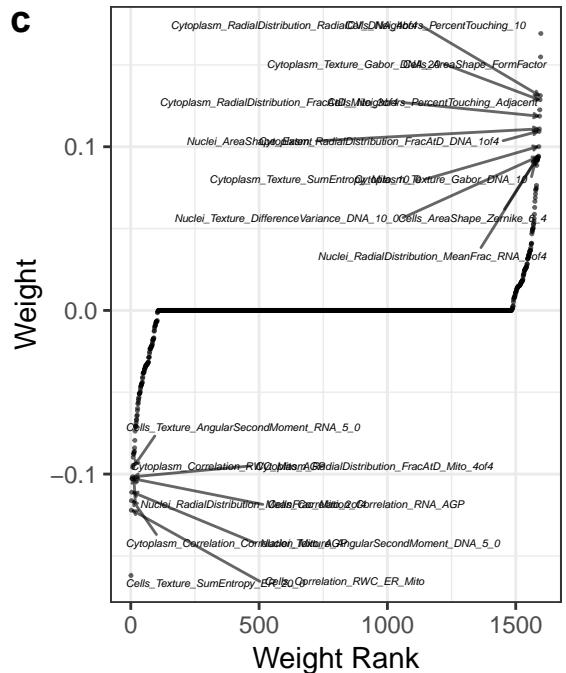
Test  
Train

Shuffled Data

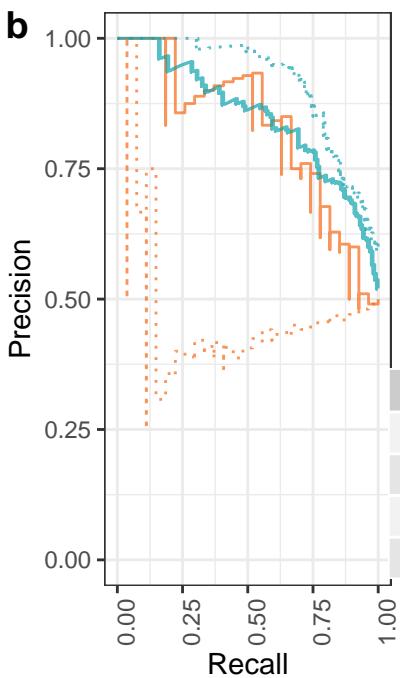
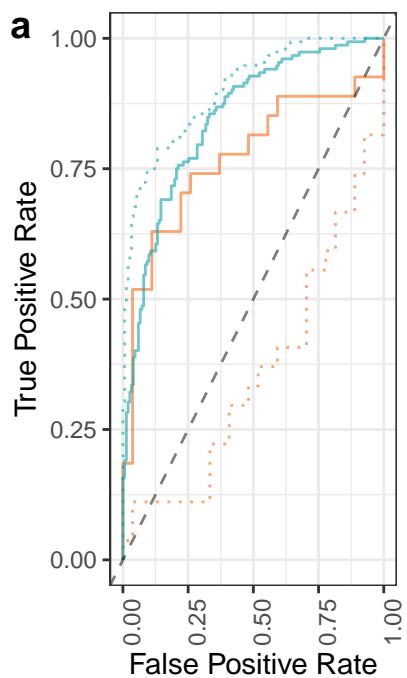
Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.88	0.85	True	False	151
Test	0.85	0.78	Test	False	151
Train	0.78	0.74	Train	True	151
Test	0.44	0.44	Test	True	151



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



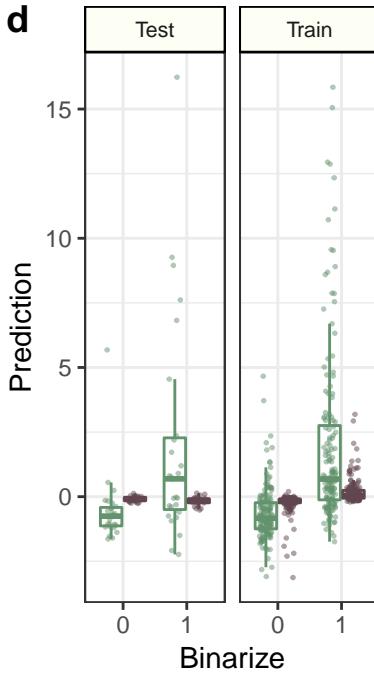
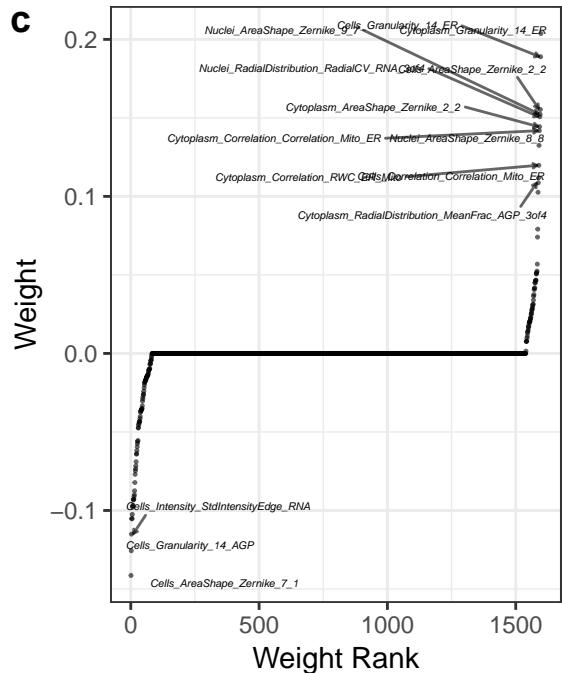
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.84	0.85	True	False	151
Test	0.77	0.81	Test	False	151
Train	0.90	0.92	Train	True	151
Test	0.36	0.47	Test	True	151

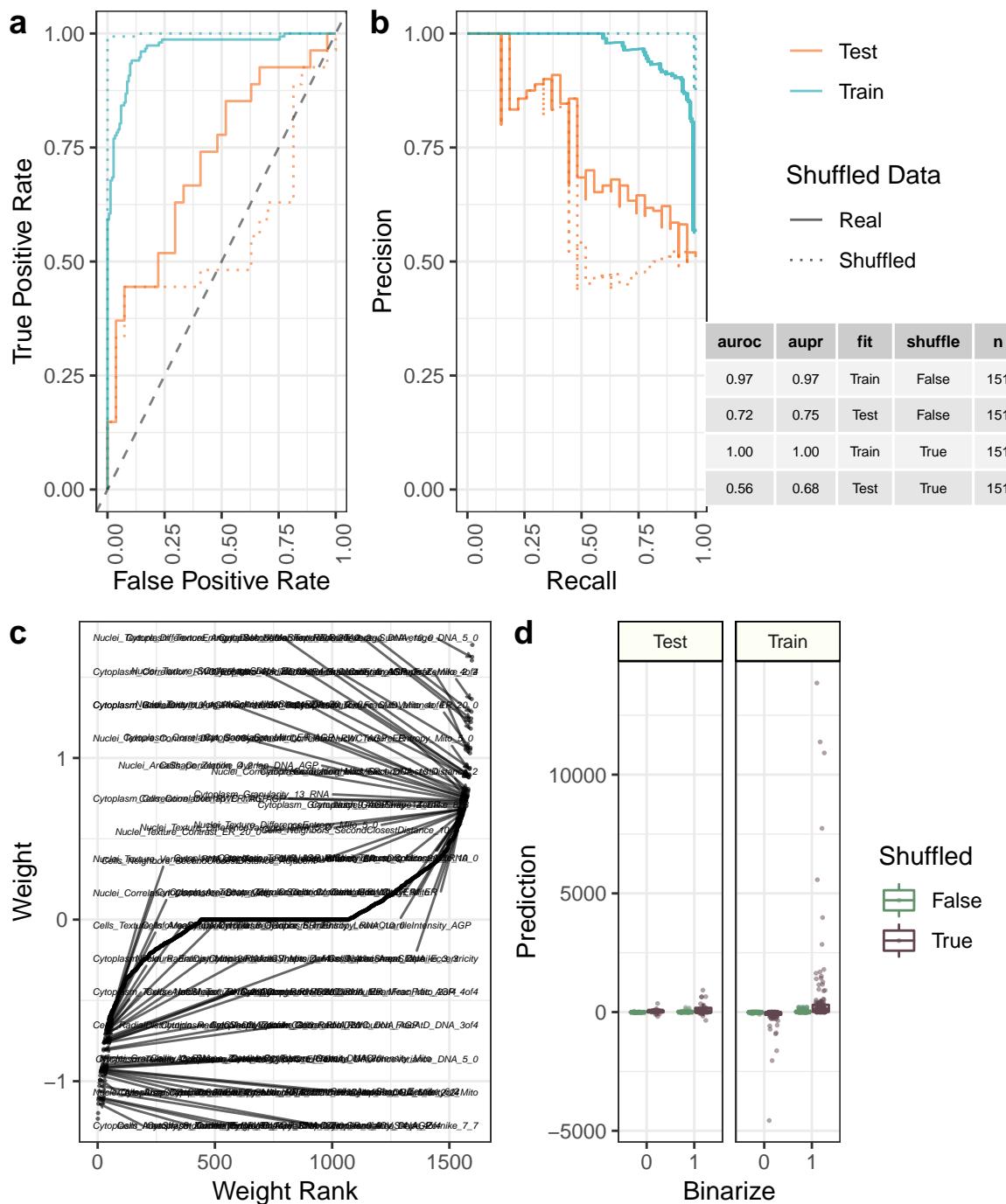


Shuffled

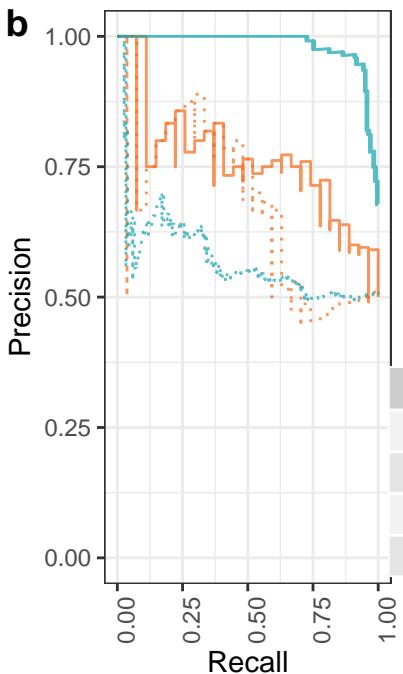
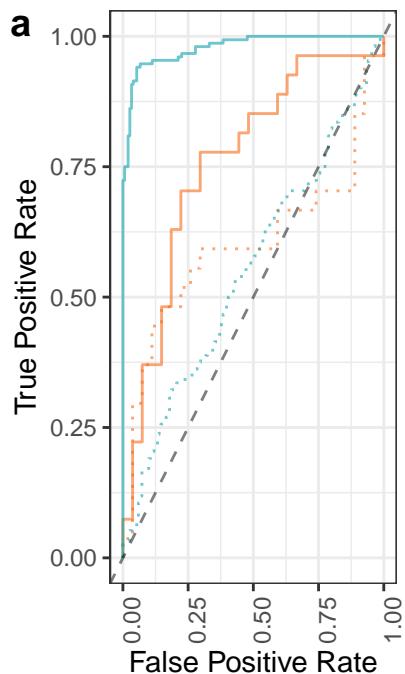
False

True

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



# Performance: cc\_g1\_plus\_g2



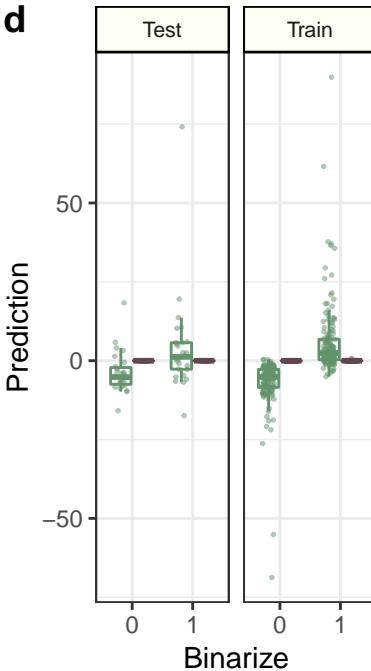
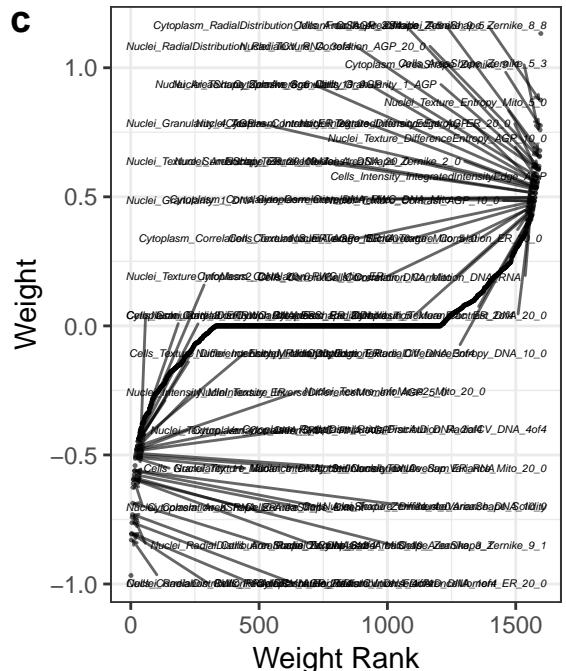
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.98	0.98	True	False	151
Test	0.76	0.75	Test	False	151
Train	0.55	0.57	Train	True	151
Test	0.60	0.67	Test	True	151

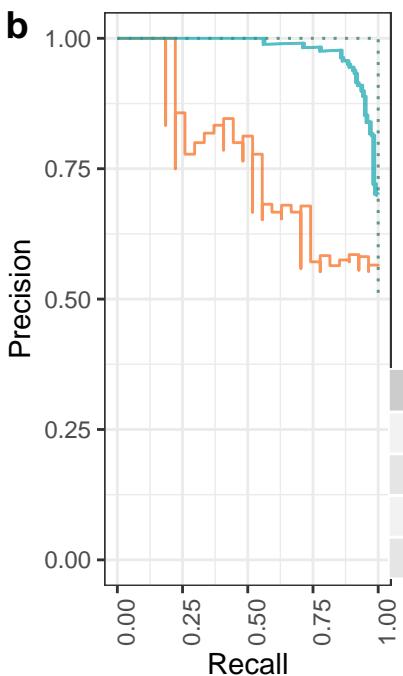
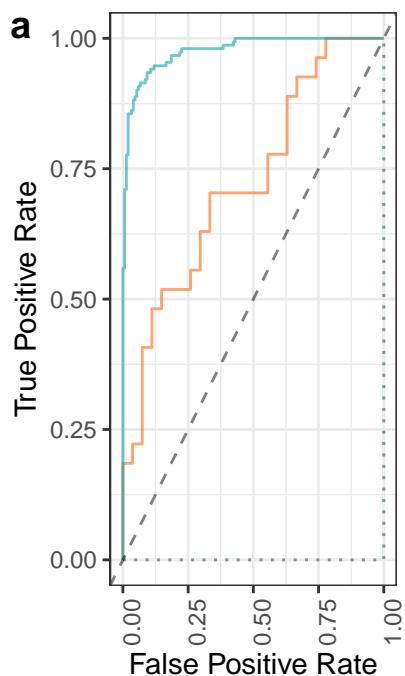


Shuffled

False

True

# Performance: cc\_g2\_g1



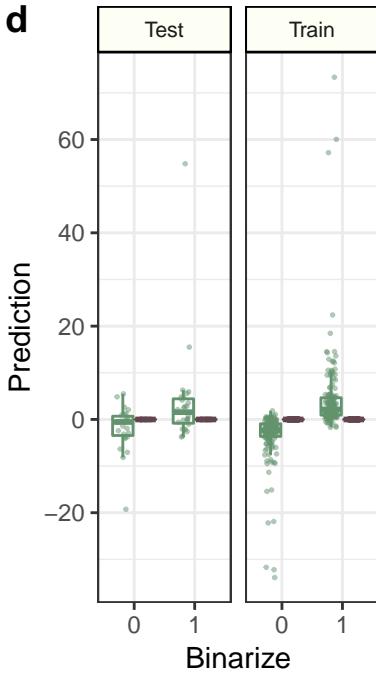
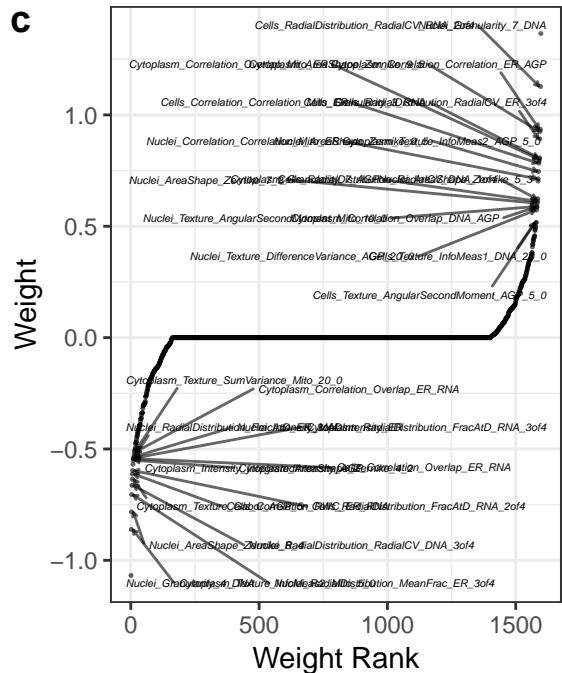
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.98	0.98	Train	False	151
Shuffled	0.72	0.75	Test	False	151
Real	0.50	0.50	Train	True	151
True	0.50	0.50	Test	True	151

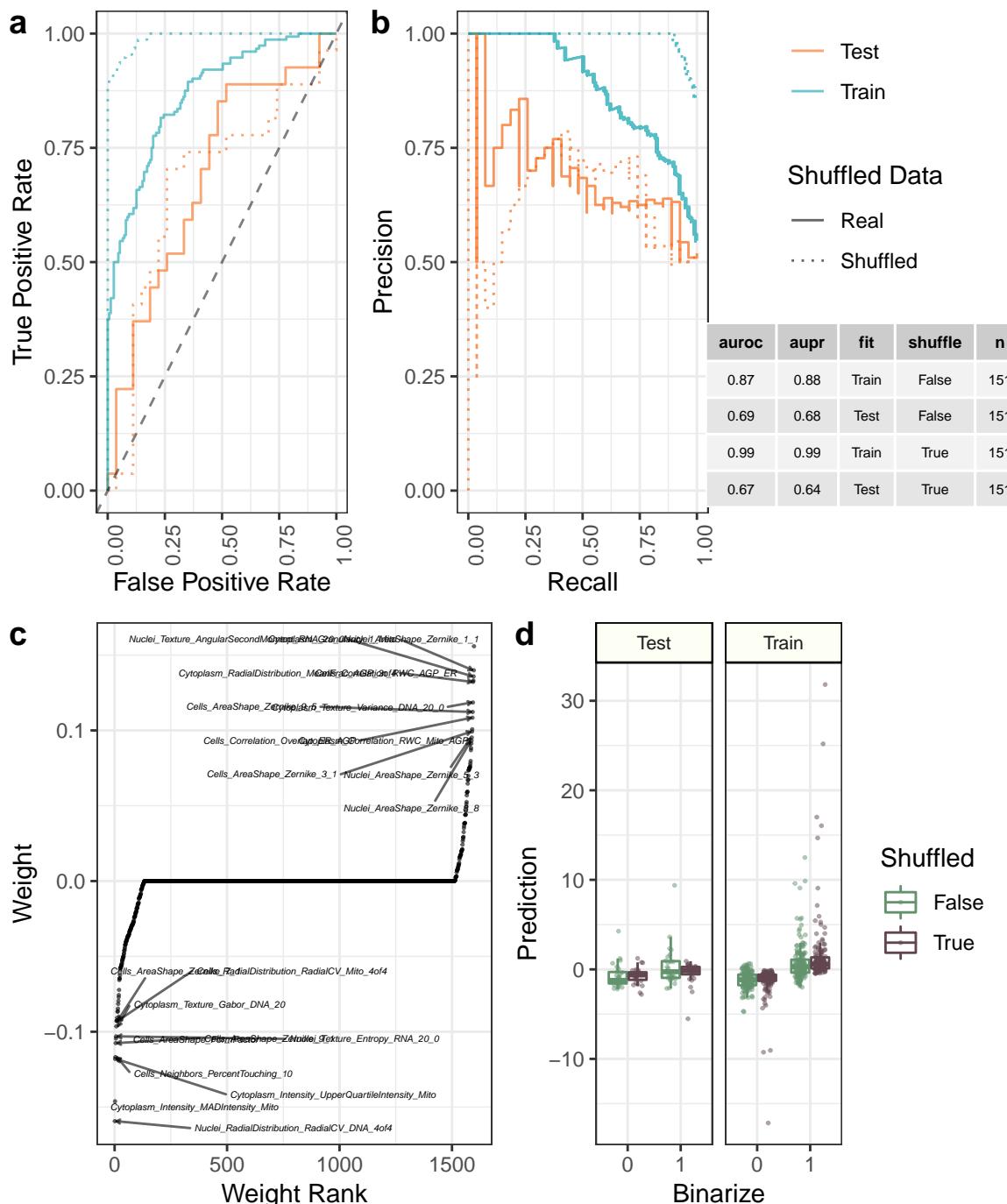


Shuffled

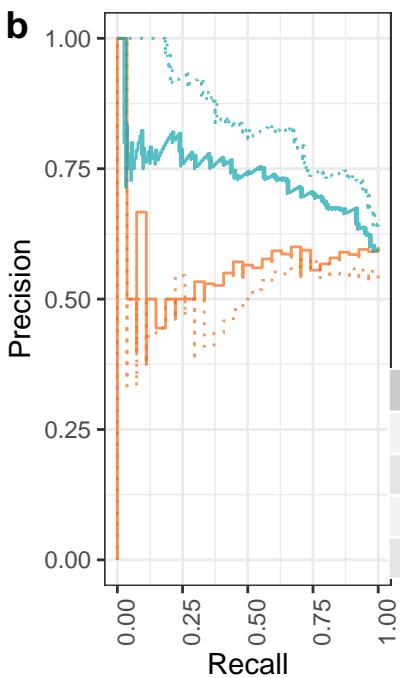
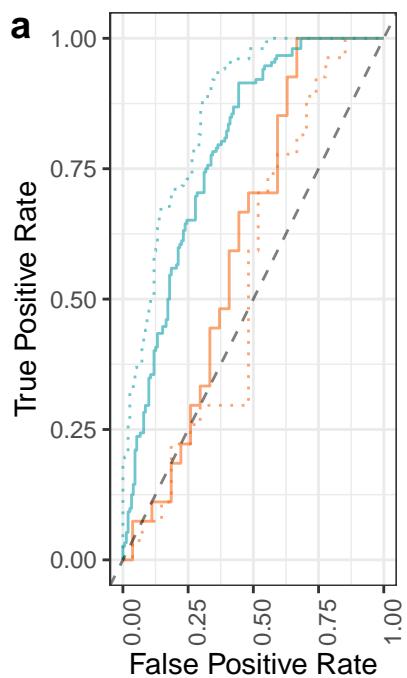
False

True

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



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



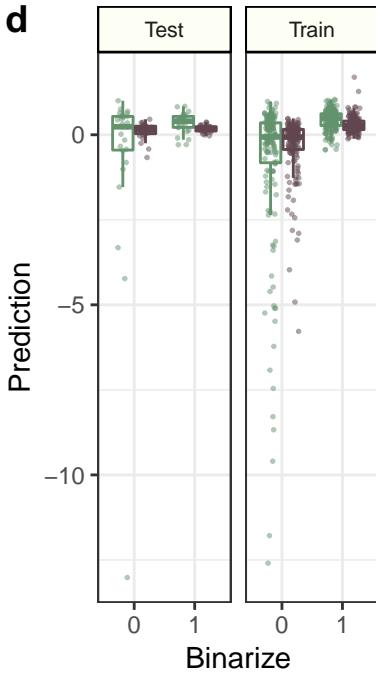
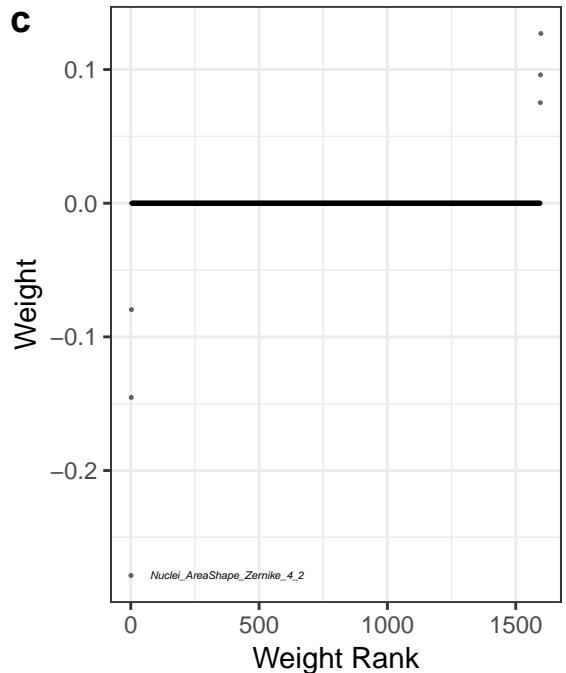
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.78	0.74	True	False	151
Test	0.61	0.56	Test	False	151
Train	0.86	0.85	Train	True	151
Test	0.54	0.52	Test	True	151

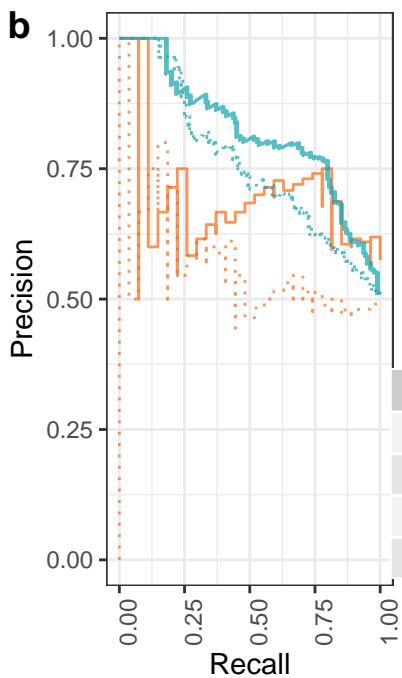
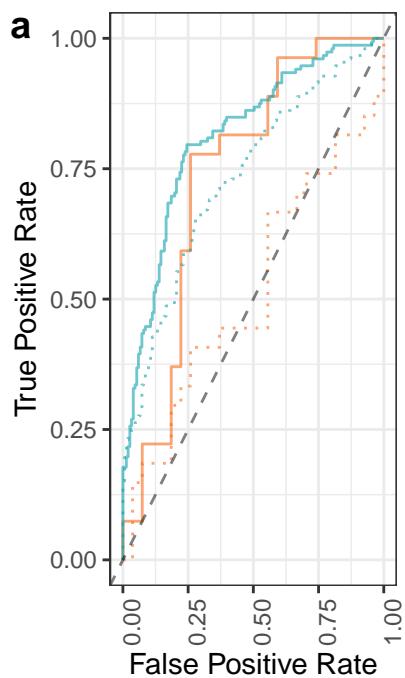


Shuffled

False

True

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



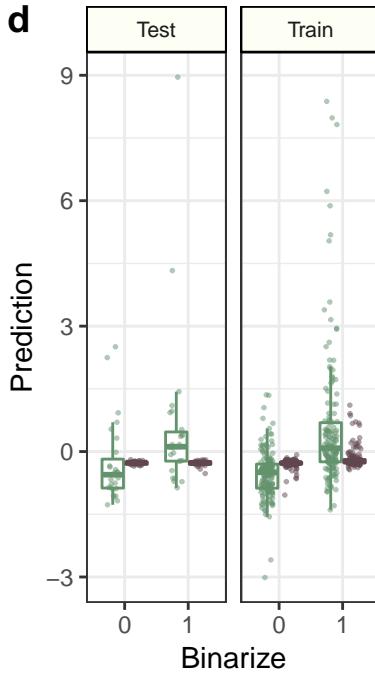
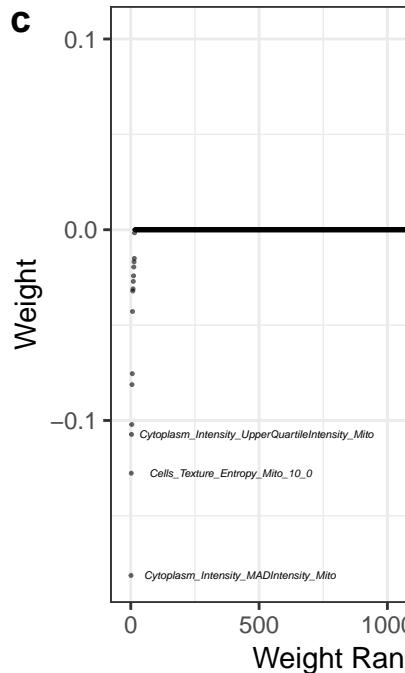
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.81	0.82	True	False	151
Test	0.74	0.69	Test	False	151
Train	0.73	0.76	Train	True	151
Test	0.51	0.56	Test	True	151

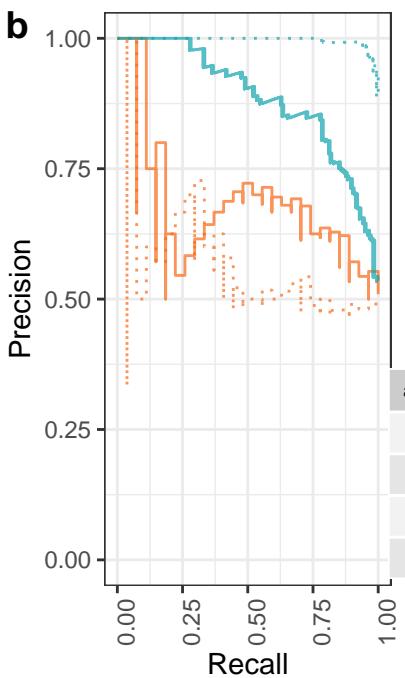
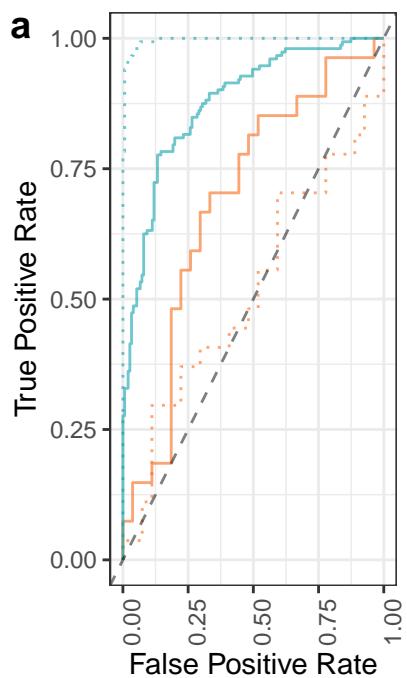


Shuffled

False

True

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

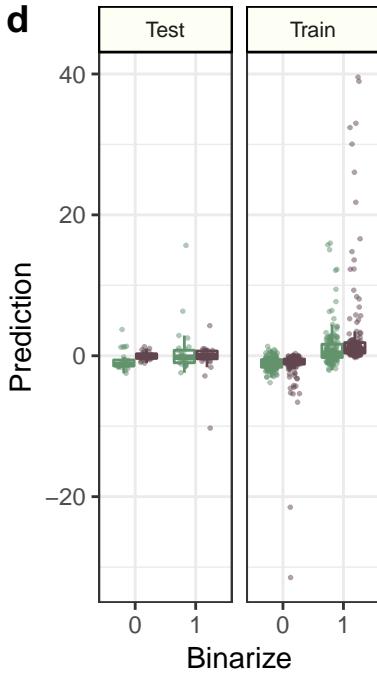
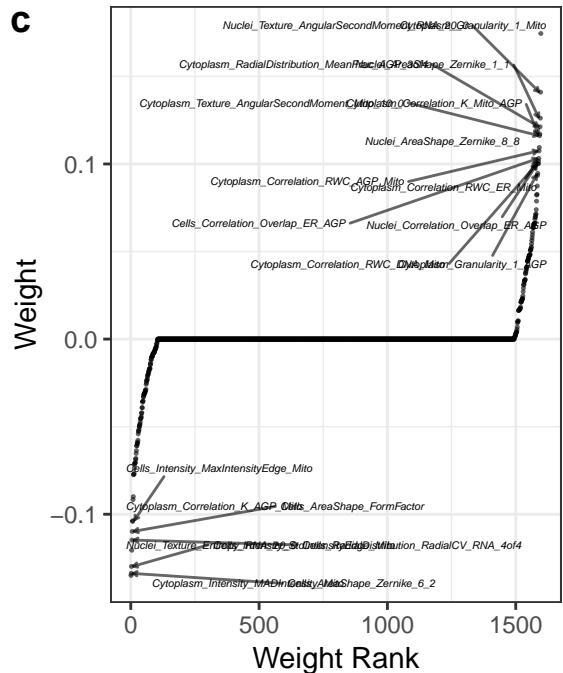


Shuffled Data

Real

Shuffled

auroc	aupr	fit	shuffle	n
0.88	0.89	Train	False	151
0.69	0.67	Test	False	151
1.00	1.00	Train	True	151
0.52	0.56	Test	True	151

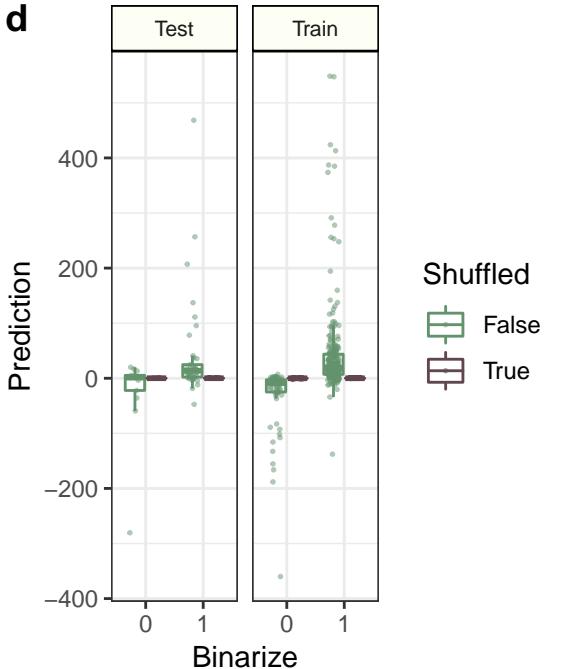
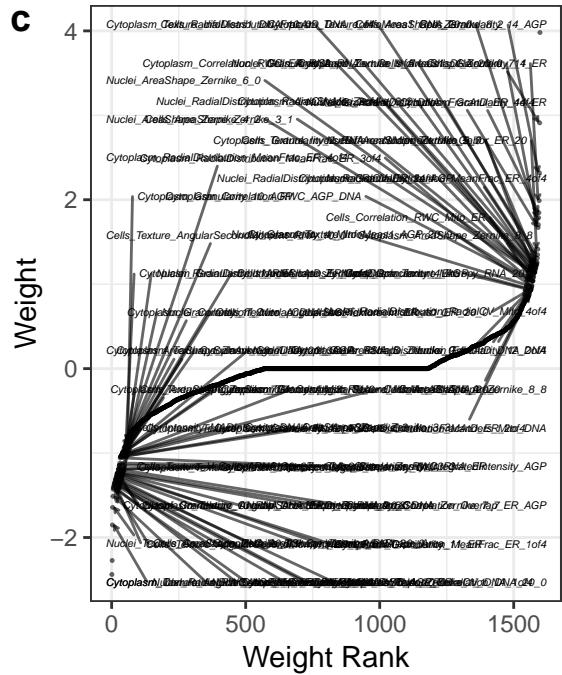
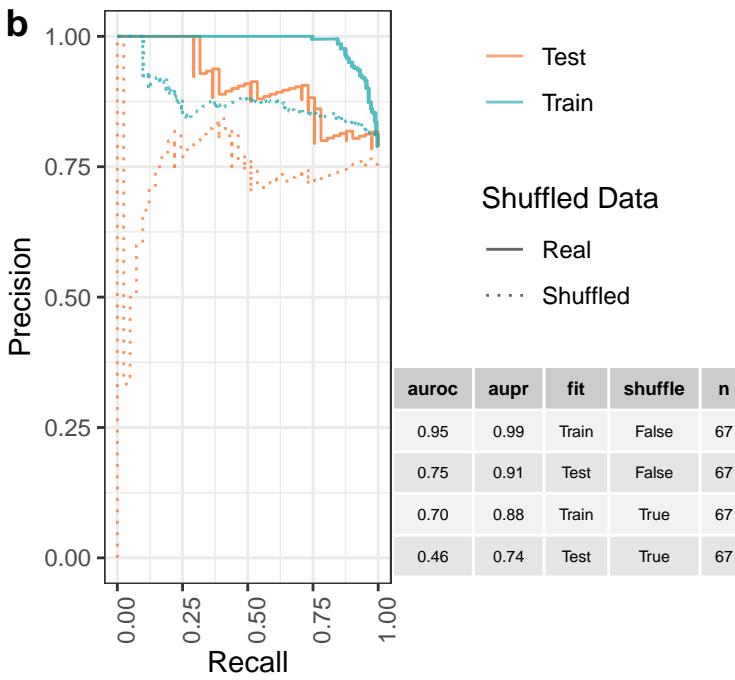
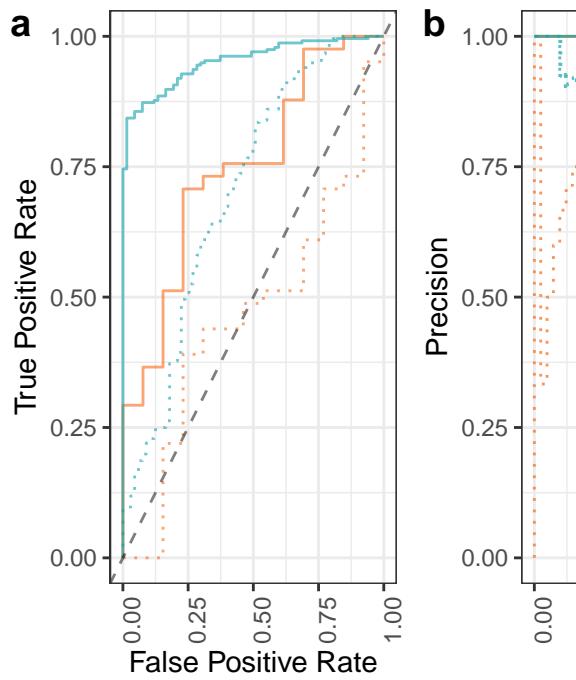


Shuffled

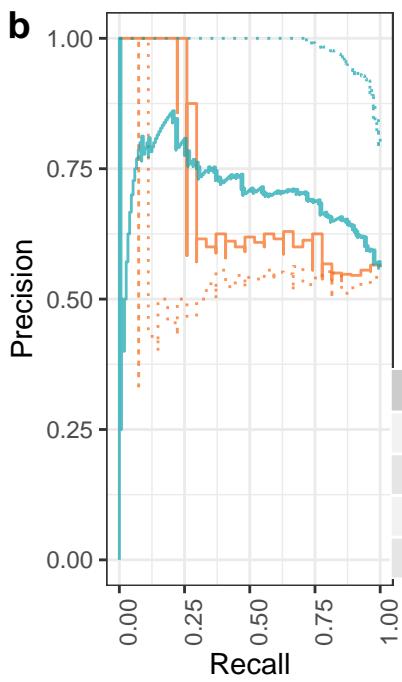
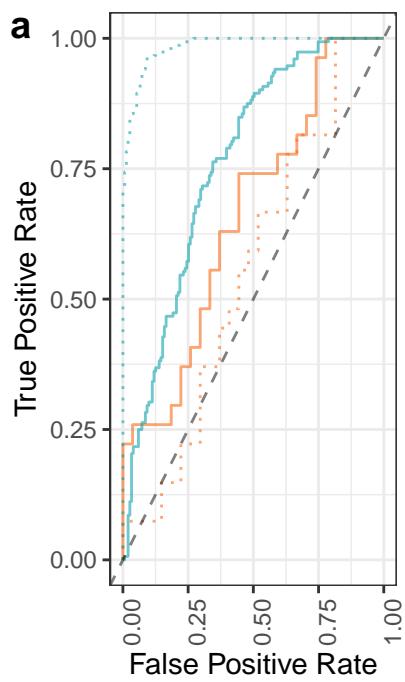
False

True

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



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



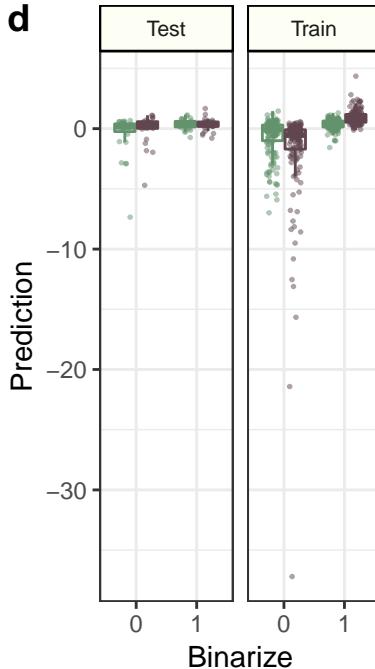
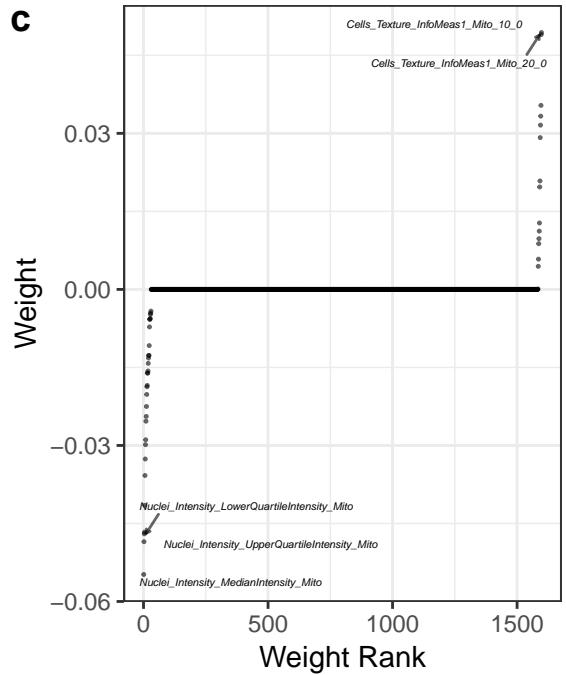
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.76	0.71	Train	False	151
Train	0.66	0.69	Test	False	151
Real	0.98	0.98	Train	True	151
Shuffled	0.55	0.56	Test	True	151

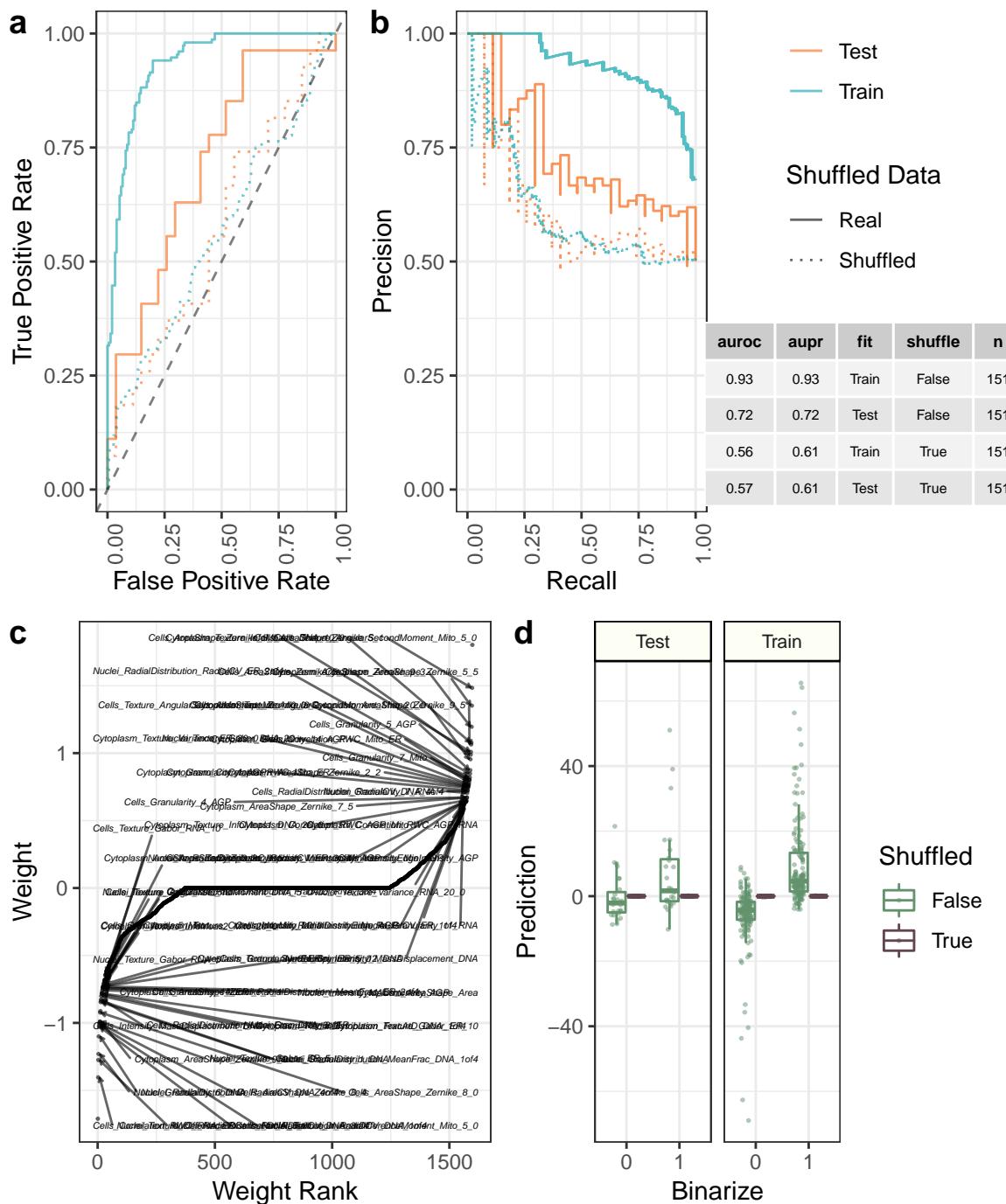


Shuffled

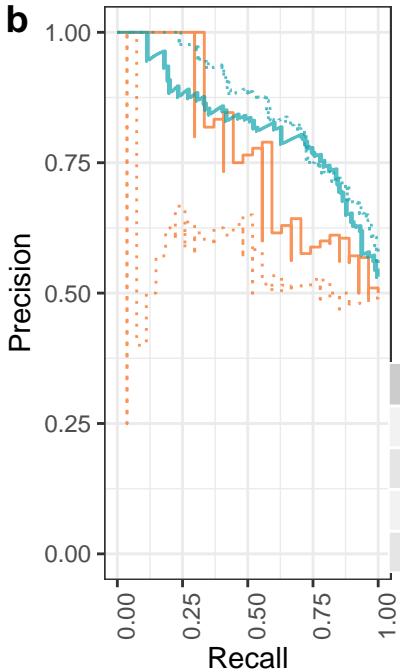
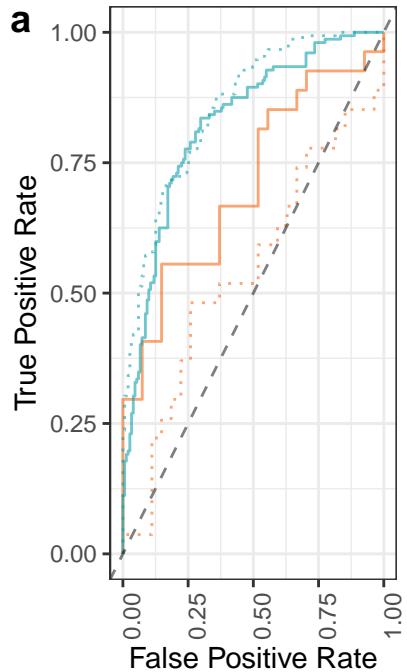
False

True

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



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



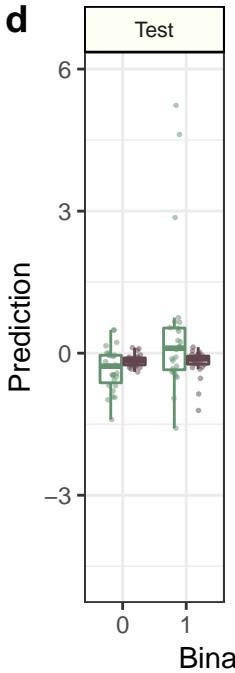
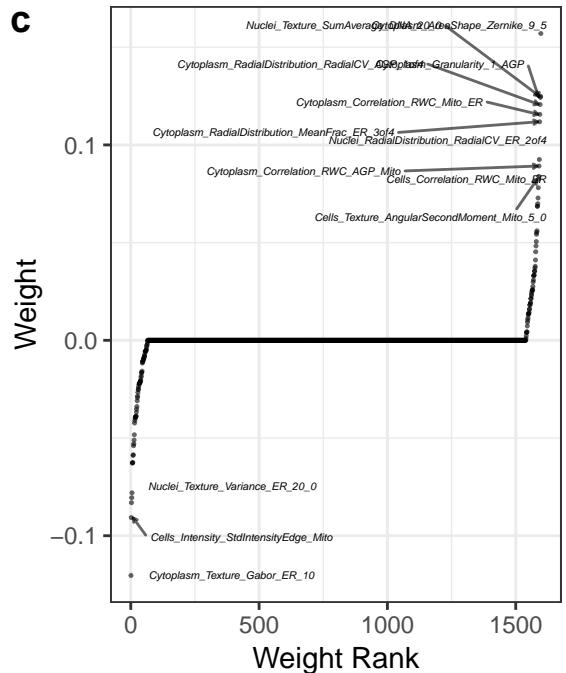
Test  
Train

Shuffled Data

Real

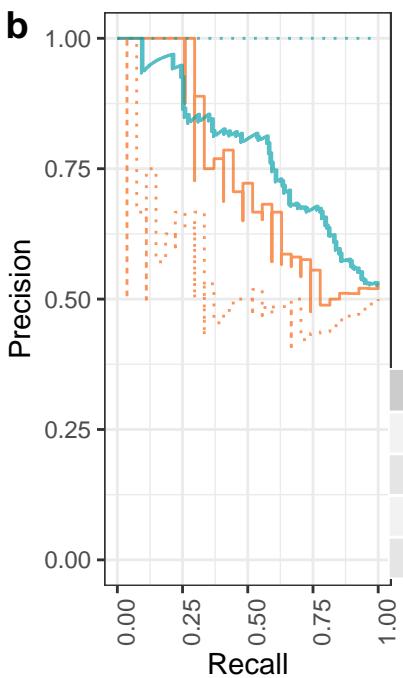
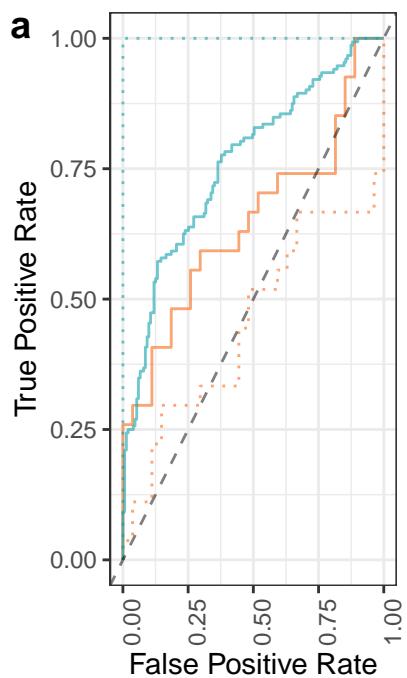
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.82	0.82	True	False	151
Test	0.71	0.76	Test	False	151
Train	0.85	0.86	Train	True	151
Test	0.54	0.57	Test	True	151



Shuffled  
False  
True

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

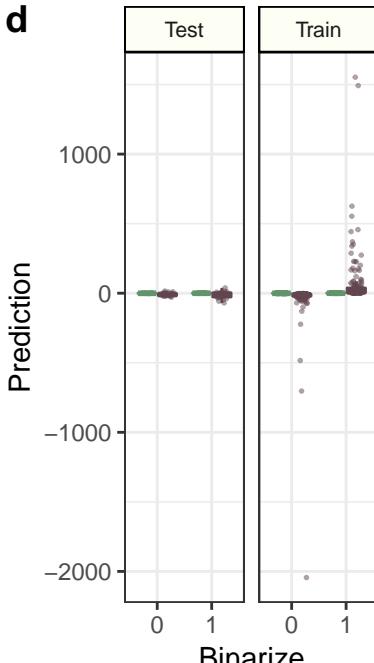
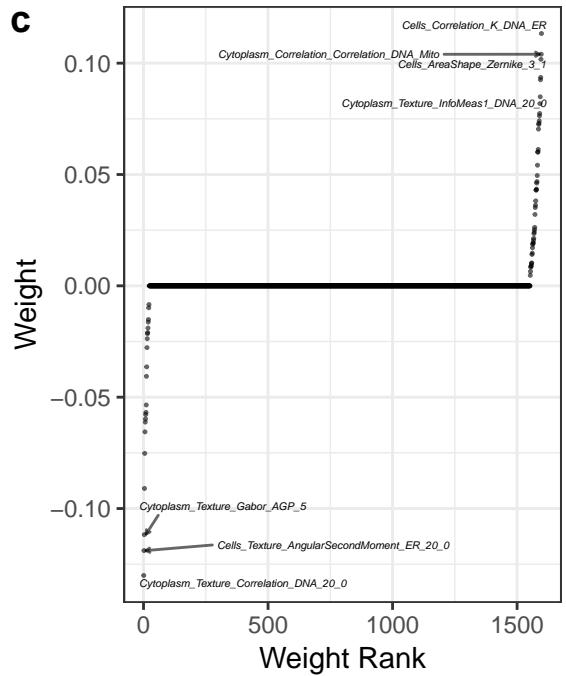


Test  
Train

Shuffled Data

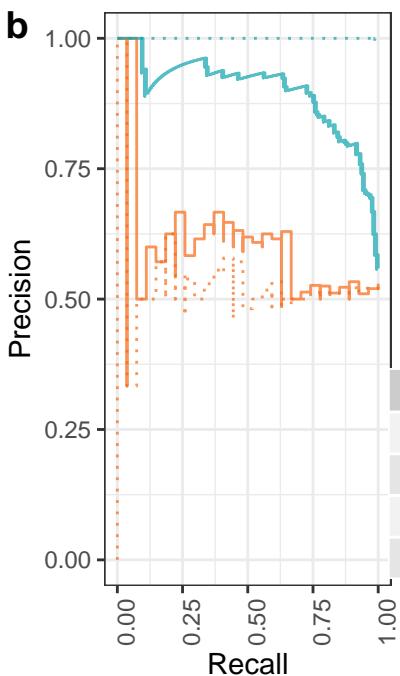
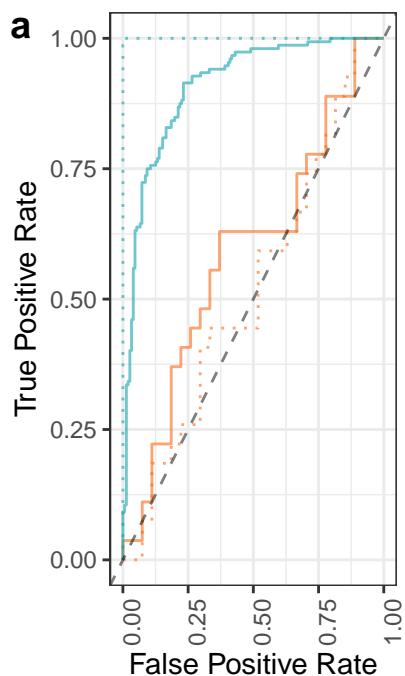
Real  
Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.76	0.78	Train	False	151
Train	0.65	0.72	Test	False	151
True	1.00	1.00	Train	True	151
False	0.45	0.54	Test	True	151



Shuffled  
False  
True

# Performance: cc\_infection\_percentage



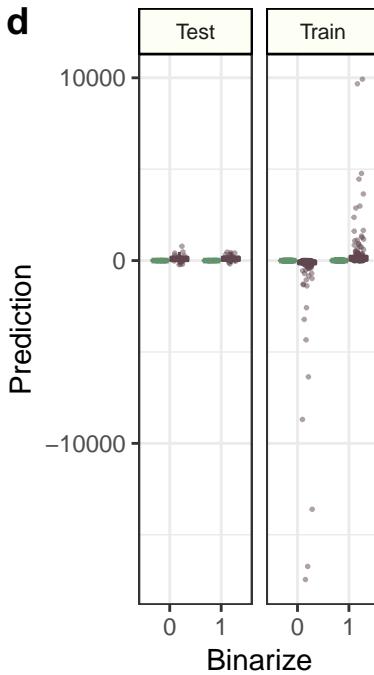
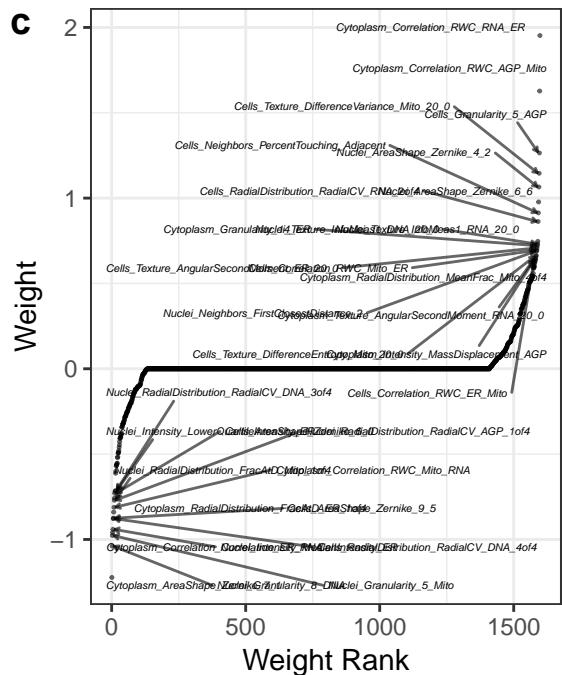
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.91	0.90	True	False	151
Test	0.59	0.59	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.52	0.52	Test	True	151

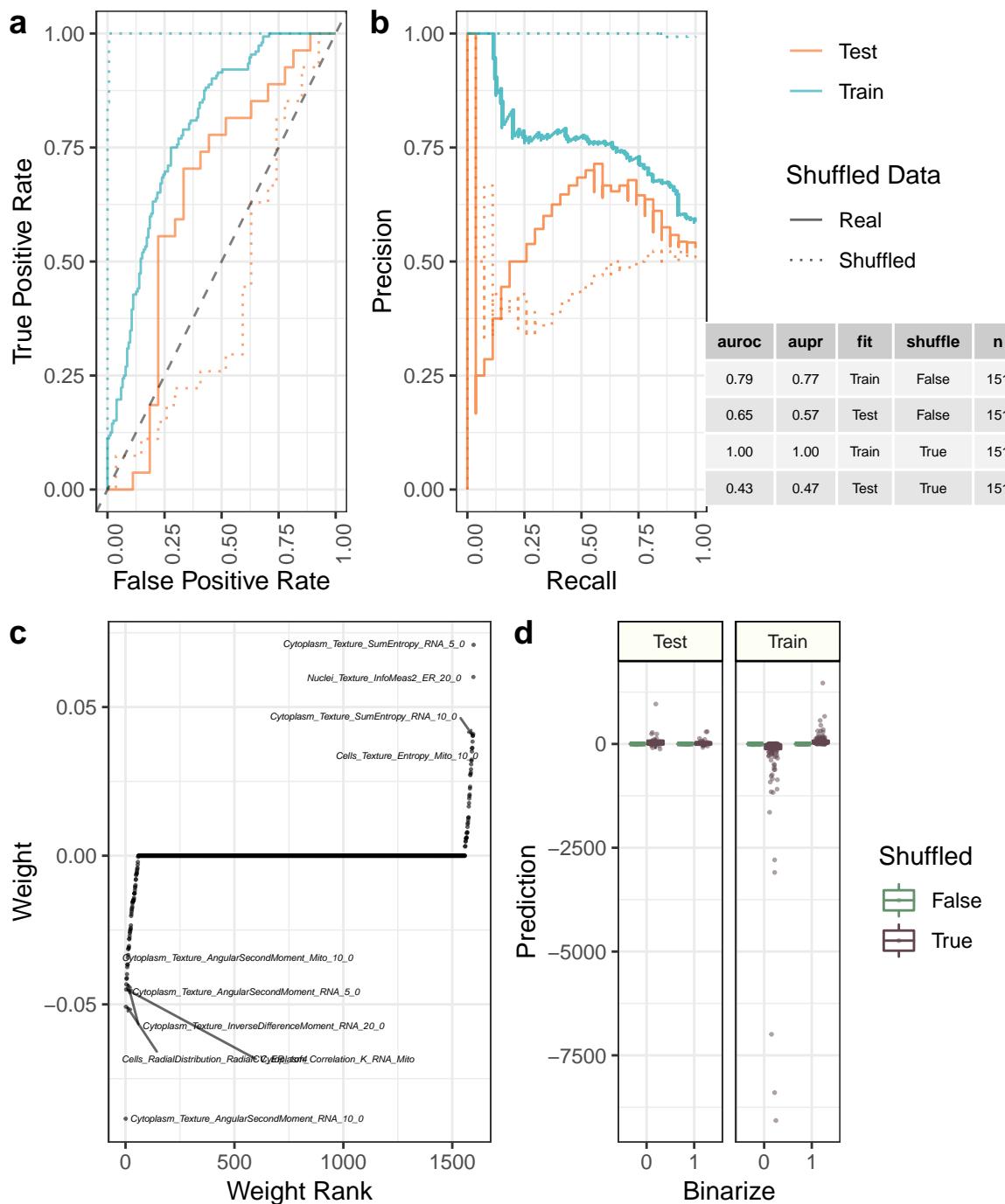


Shuffled

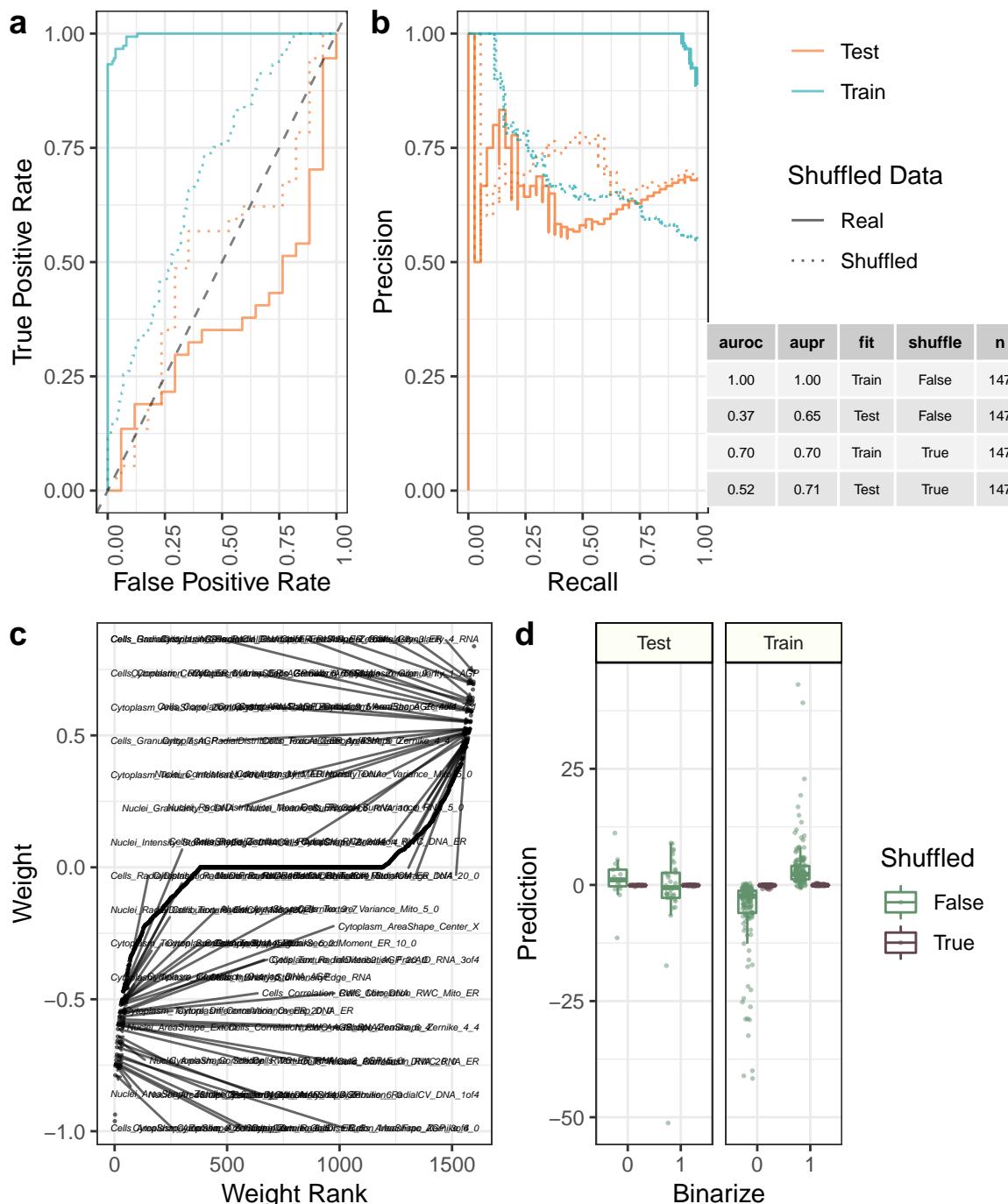
False

True

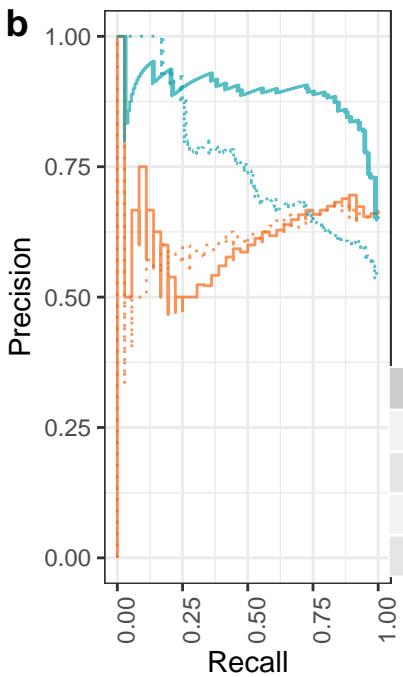
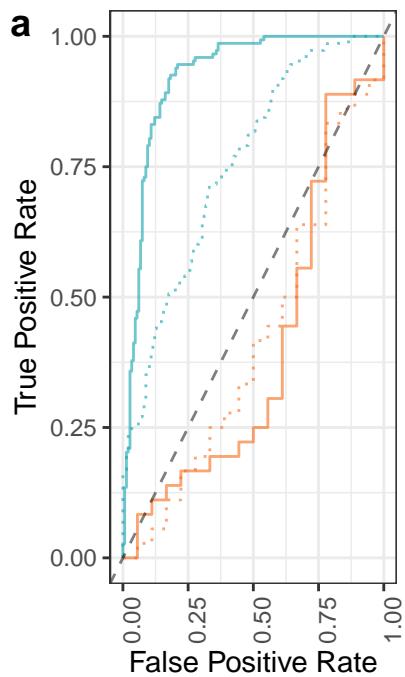
# Performance: cc\_mitosis\_ph3\_neg\_n\_objects



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



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



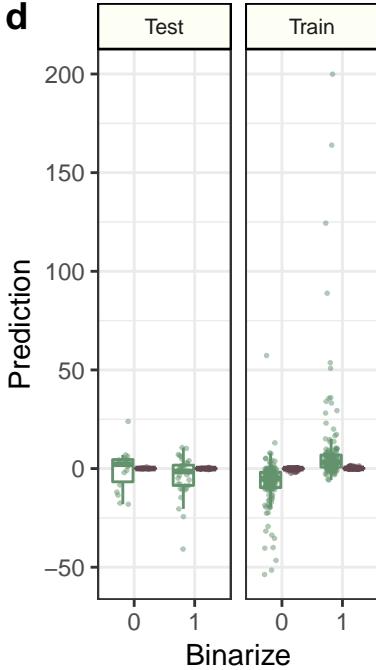
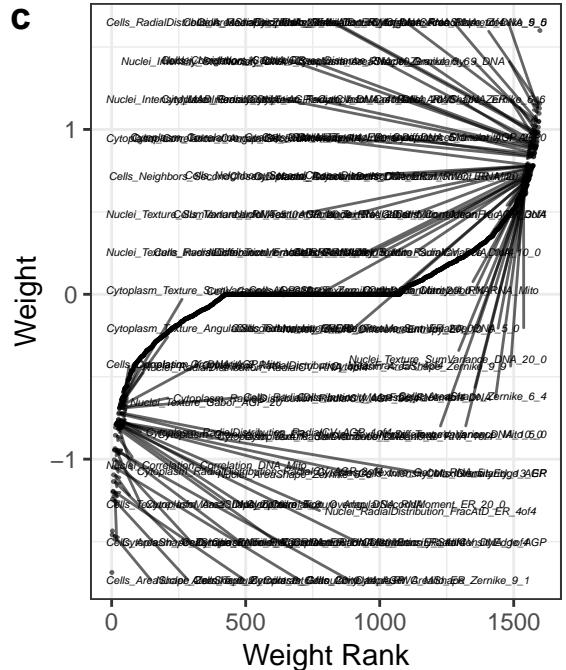
Test  
Train

Shuffled Data

Real

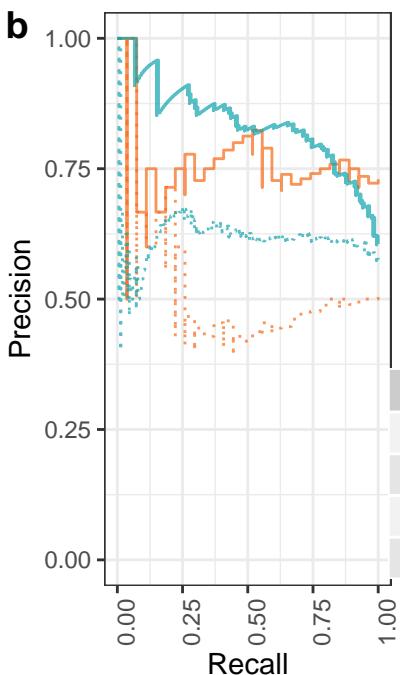
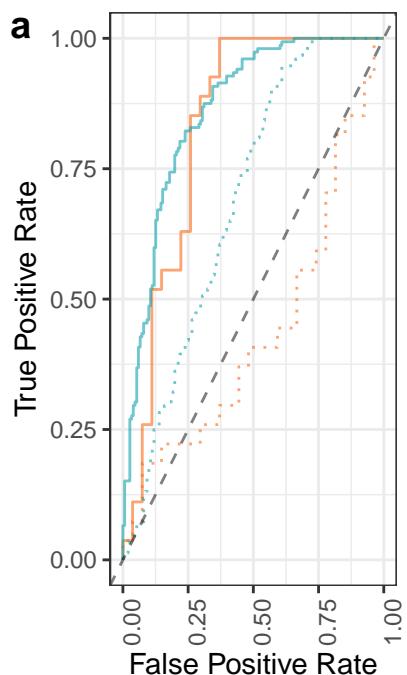
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.92	0.89	True	False	148
Test	0.40	0.62	Test	False	148
Train	0.75	0.76	Train	True	148
Test	0.42	0.62	Test	True	148

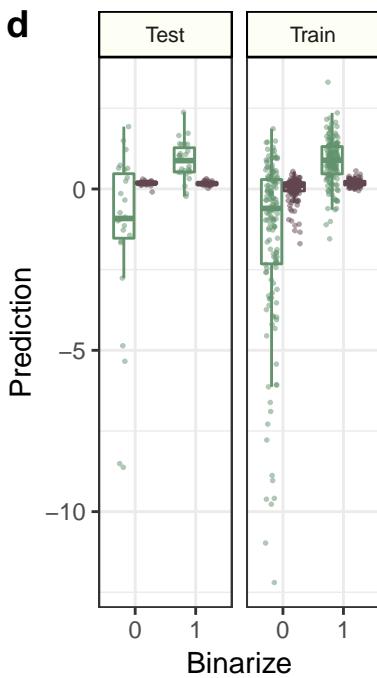
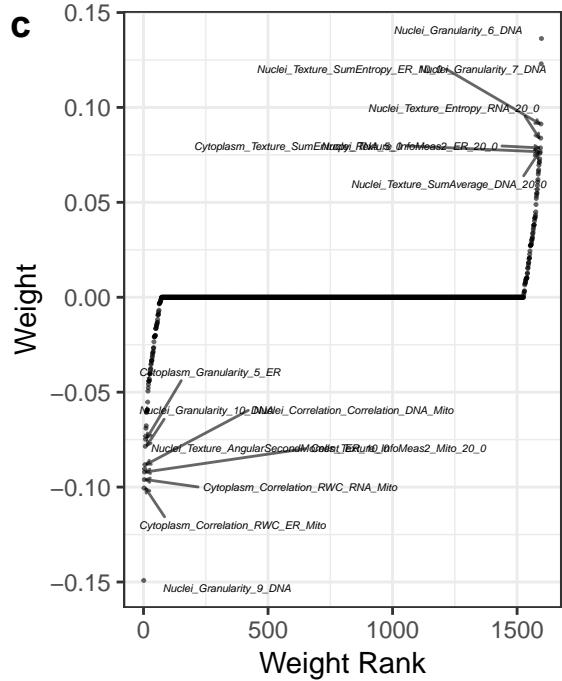


Shuffled  
False  
True

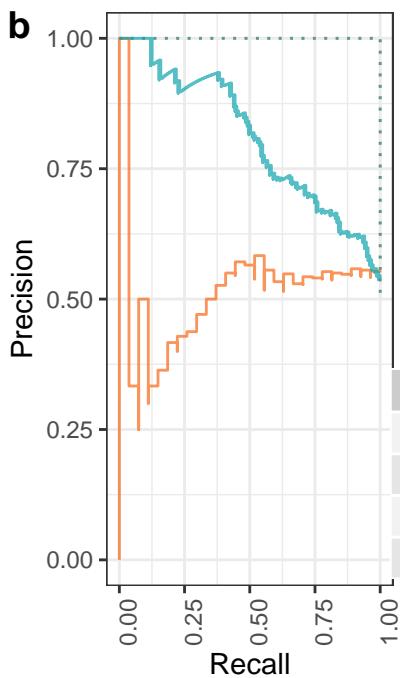
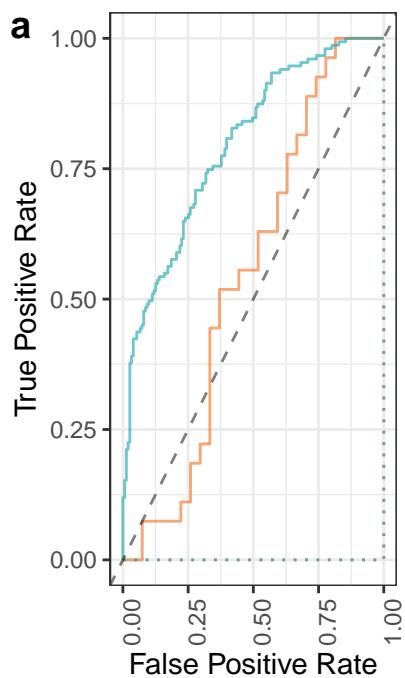
# Performance: cc\_mitosis\_ph3\_pos\_n\_objects



	auroc	aupr	fit	shuffle	n
Train	0.86	0.84	True	False	151
Test	0.83	0.76	Test	False	151
Train	0.68	0.62	Train	True	151
Test	0.44	0.52	Test	True	151



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

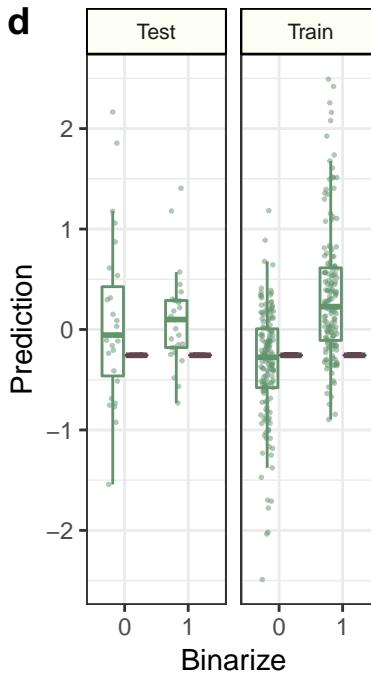
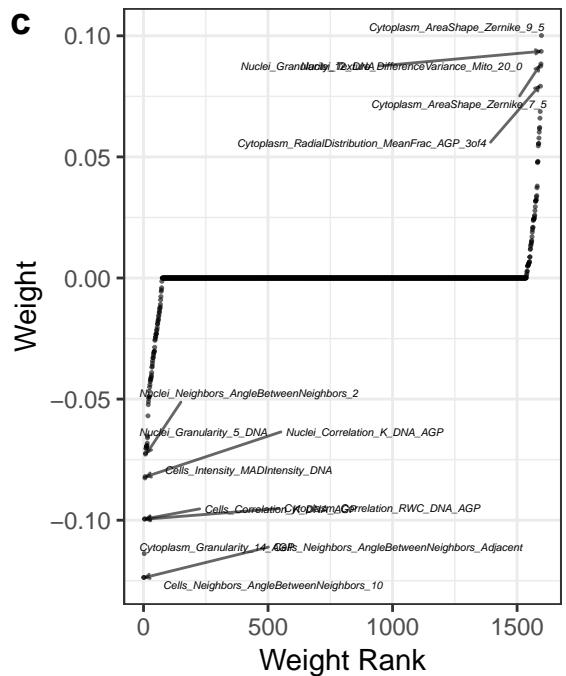


Shuffled Data

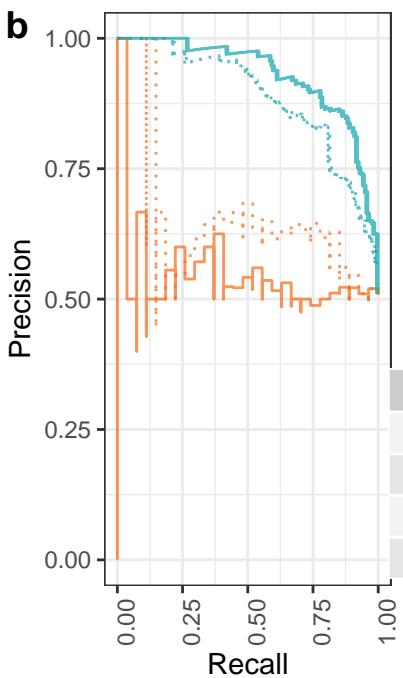
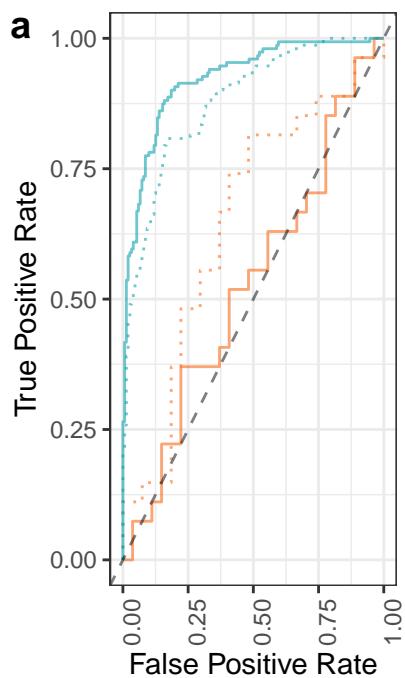
Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.80	0.81	True	False	151
Test	0.55	0.51	Test	False	151
Train	0.50	0.50	Train	True	151
Test	0.50	0.50	Test	True	151



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



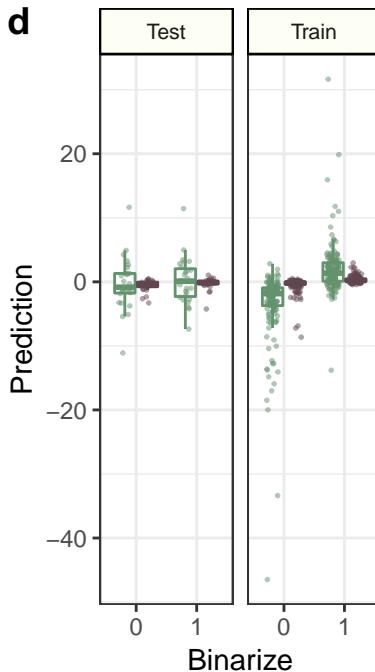
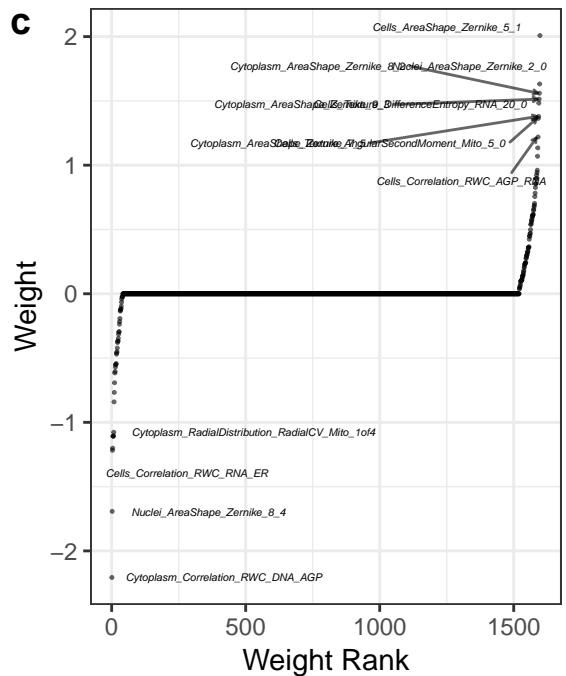
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.92	0.93	True	False	151
Test	0.53	0.54	Test	False	151
Train	0.88	0.89	Train	True	151
Test	0.65	0.65	Test	True	151

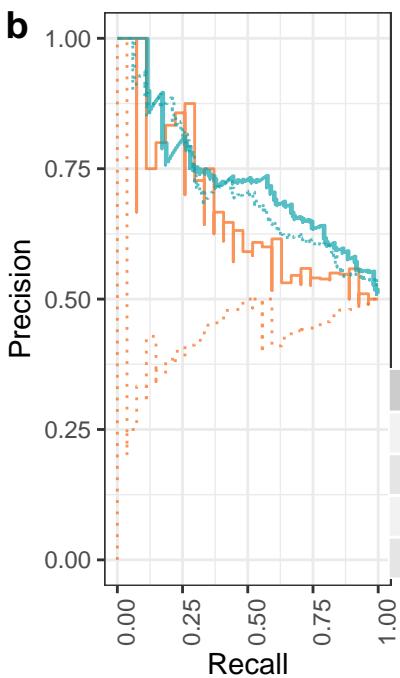
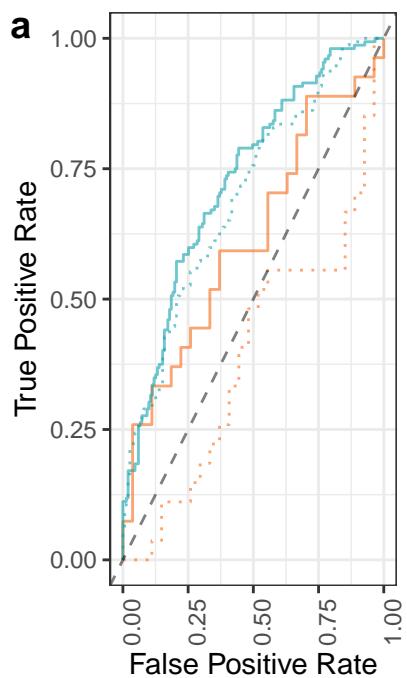


Shuffled

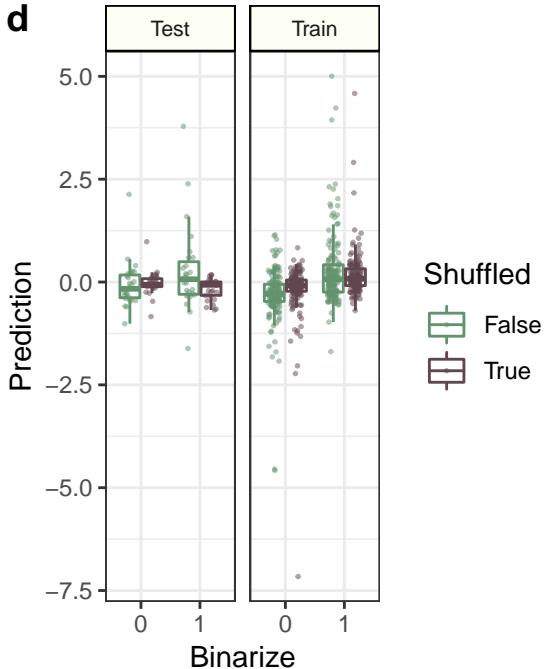
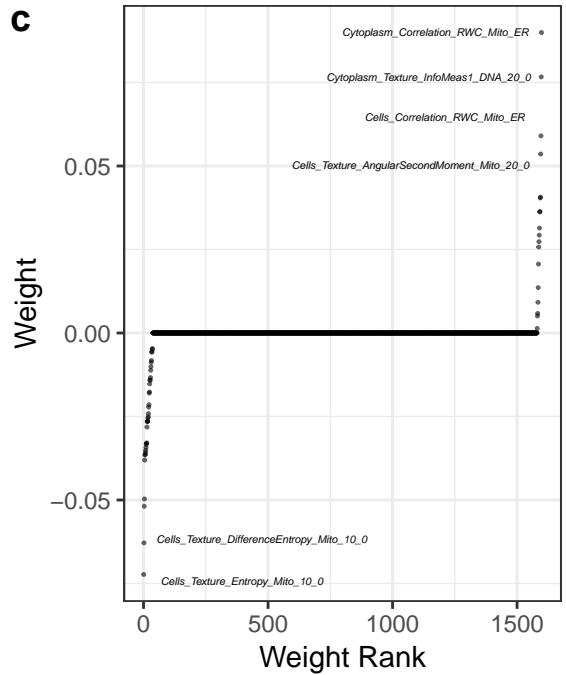
False

True

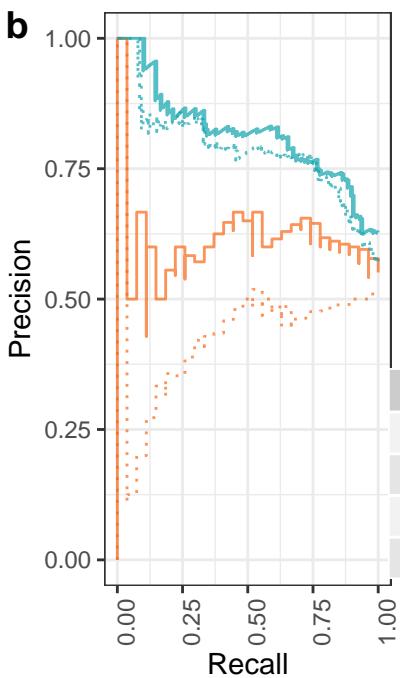
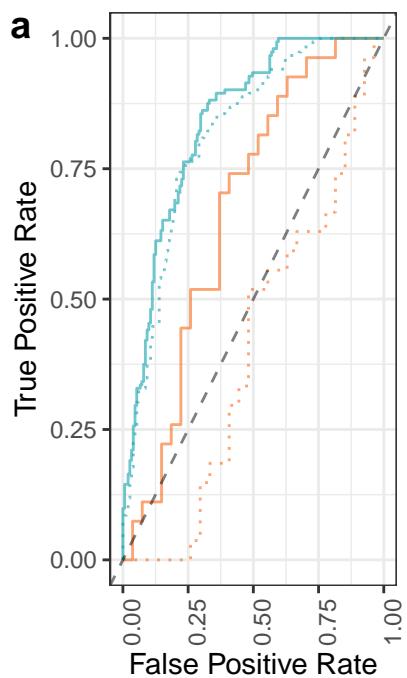
# Performance: cc\_polynuclear\_high\_n\_spots\_h2ax\_mean



	auroc	aupr	fit	shuffle	n
Train	0.73	0.73	True	False	151
Test	0.62	0.66	Test	False	151
Train	0.70	0.71	Train	True	151
Test	0.39	0.44	Test	True	151



# Performance: cc\_polynuclear\_n\_objects



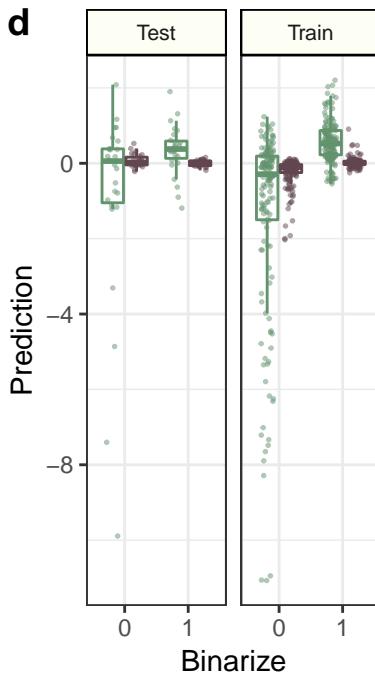
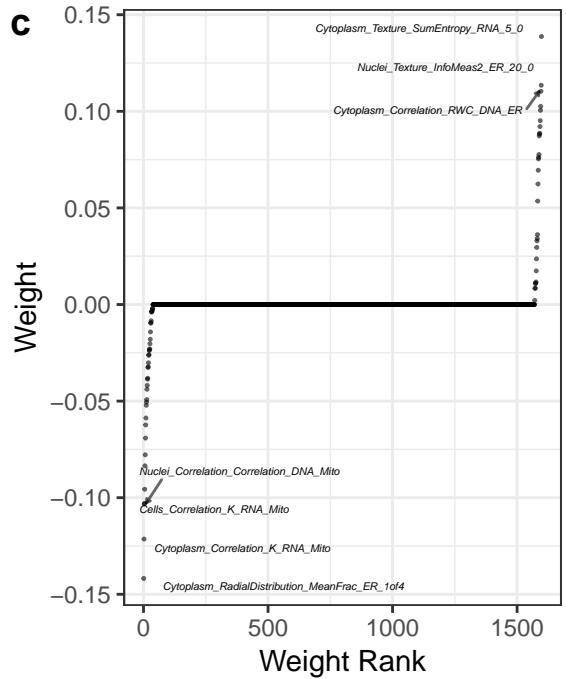
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.84	0.82	Train	False	151
Train	0.67	0.61	Test	False	151
Real	0.81	0.79	Train	True	151
Shuffled	0.40	0.43	Test	True	151

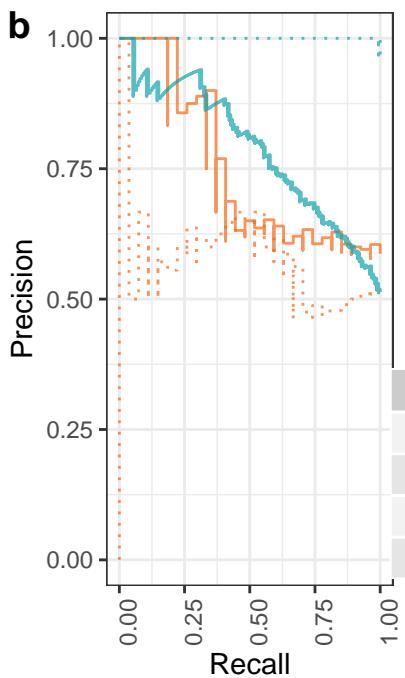
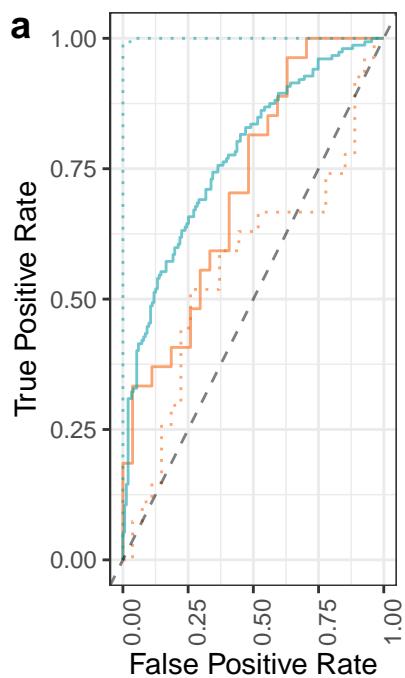


Shuffled

False

True

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

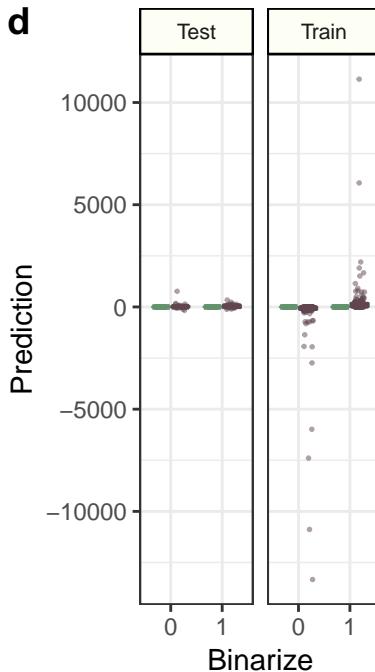
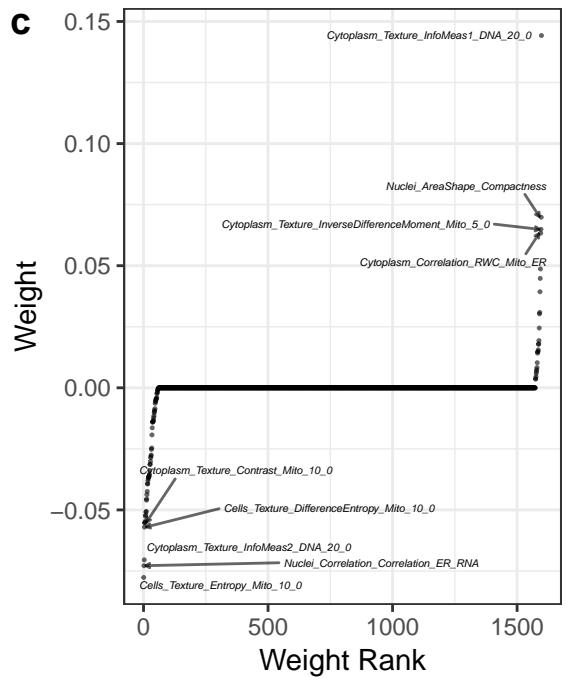


Shuffled Data

Real

Shuffled

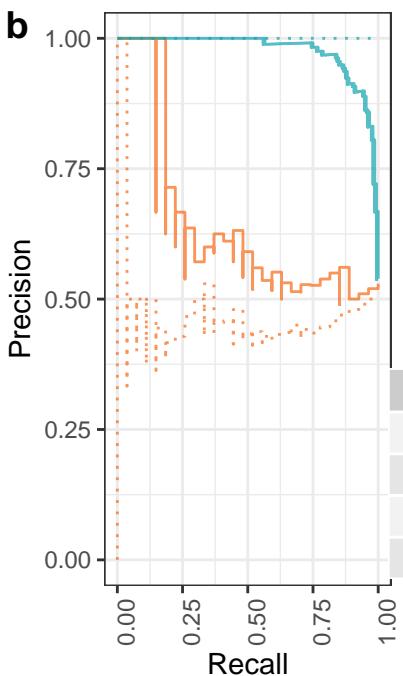
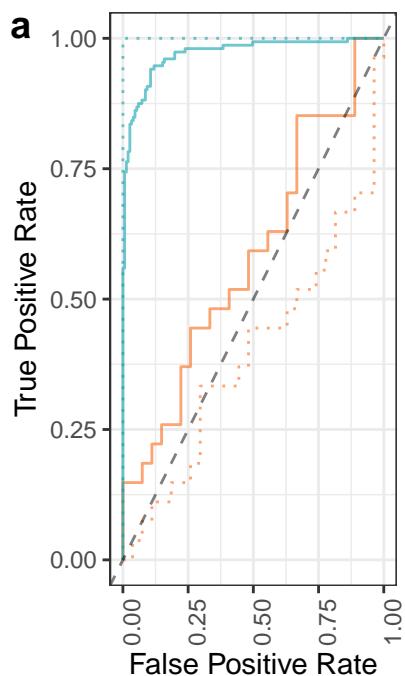
	auroc	aupr	fit	shuffle	n
Train	0.77	0.79	Train	False	151
Test	0.72	0.74	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.56	0.57	Test	True	151



Shuffled

- False
- True

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



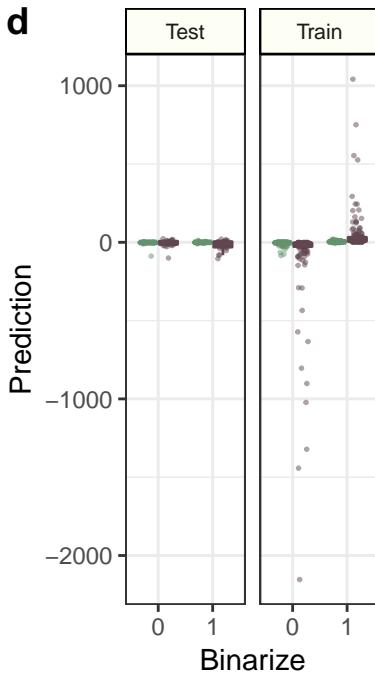
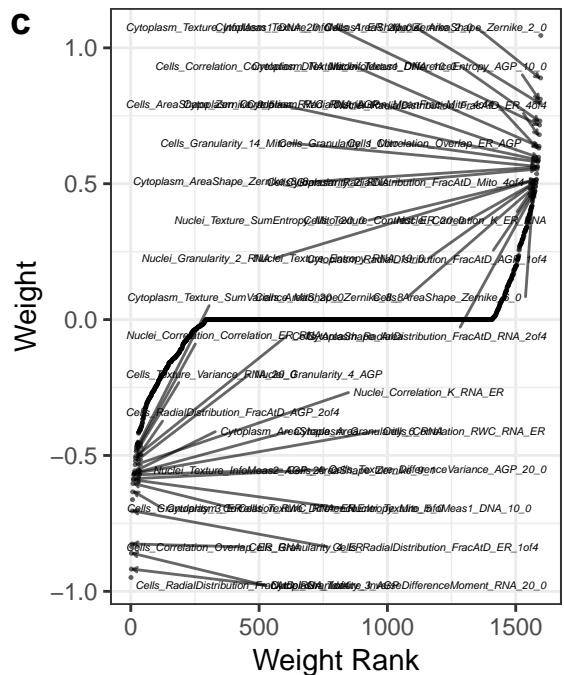
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.97	0.97	Train	False	151
Train	0.58	0.63	Test	False	151
True	1.00	1.00	Train	True	151
False	0.40	0.46	Test	True	151

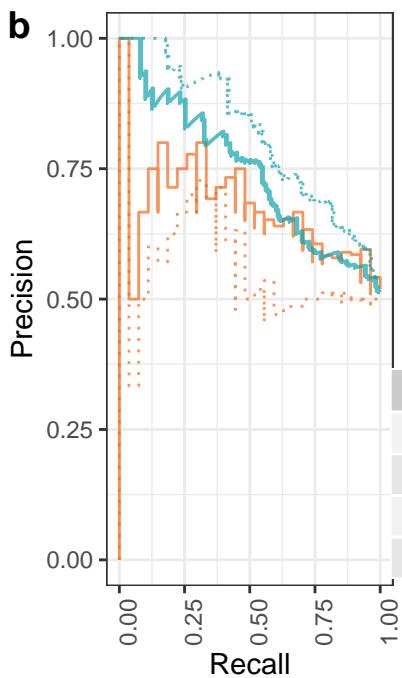
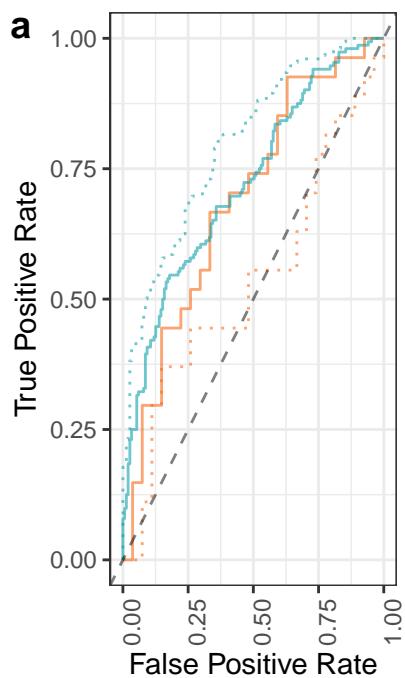


Shuffled

False

True

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



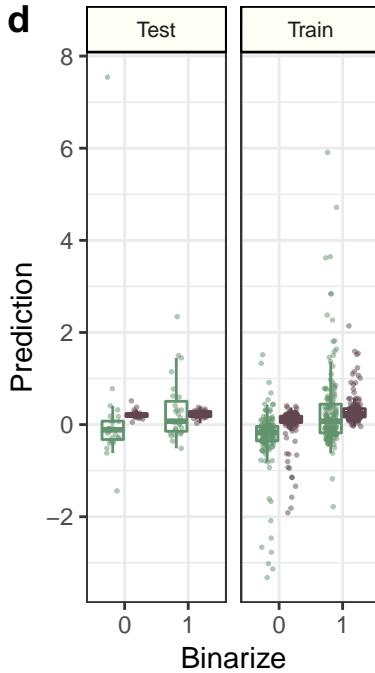
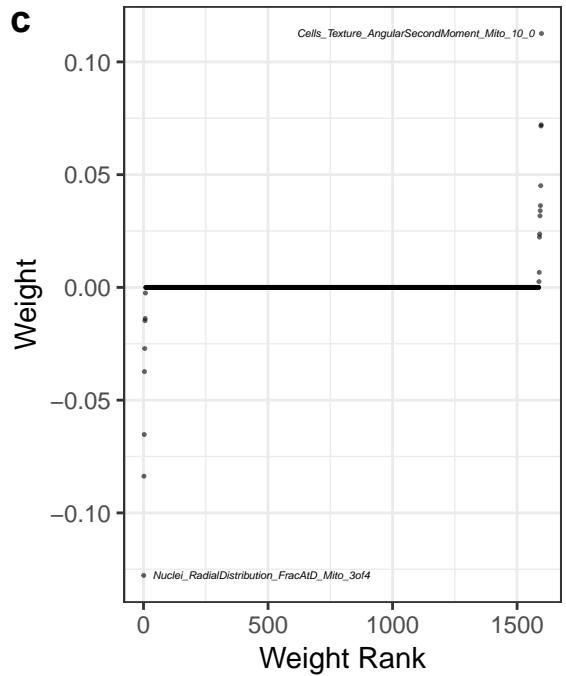
Test  
Train

Shuffled Data

Real

Shuffled

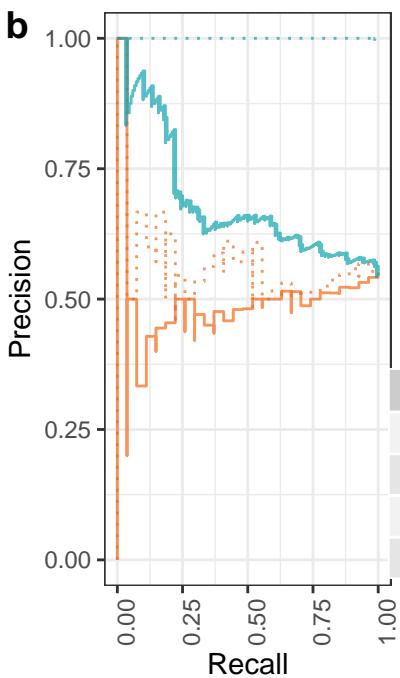
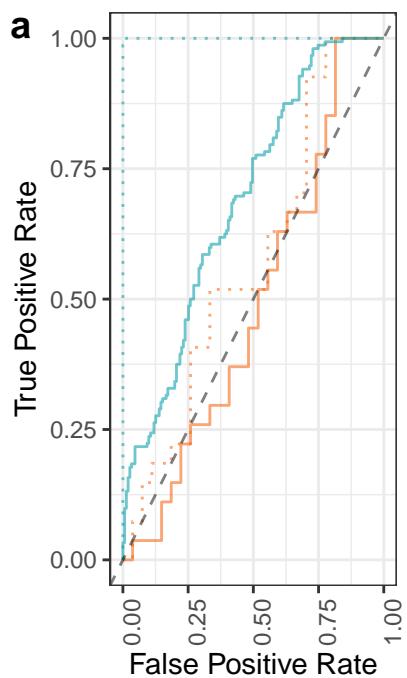
	auroc	aupr	fit	shuffle	n
Train	0.72	0.74	True	False	151
Test	0.69	0.66	Test	False	151
Train	0.80	0.82	Train	True	151
Test	0.53	0.55	Test	True	151



Shuffled

False  
True

# Performance: cc\_polyplloid\_n\_objects



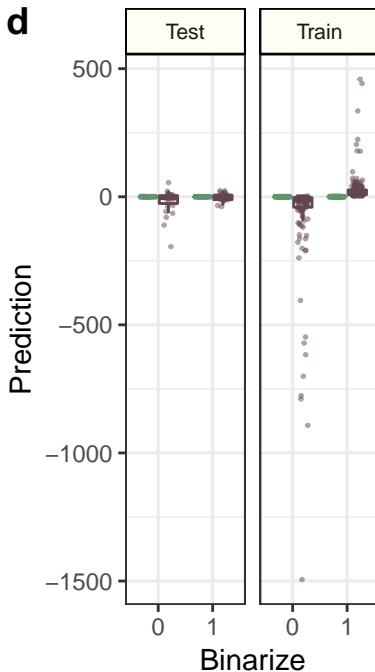
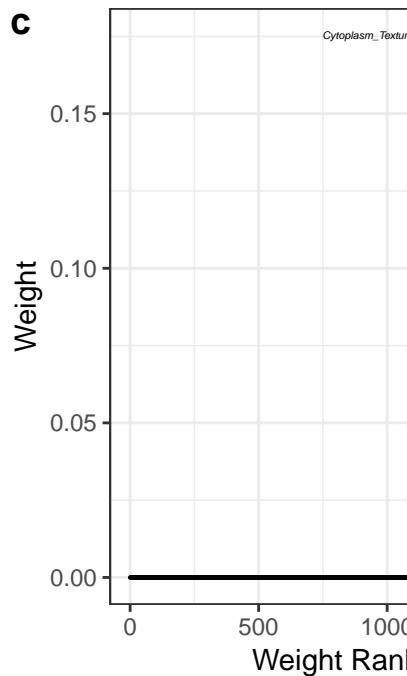
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.69	0.68	True	False	151
Test	0.49	0.49	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.57	0.56	Test	True	151

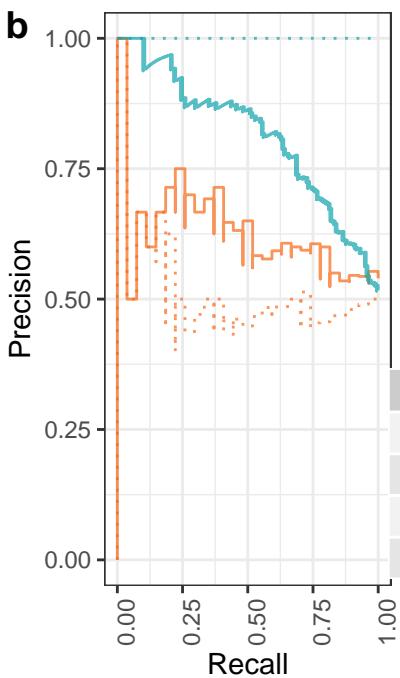
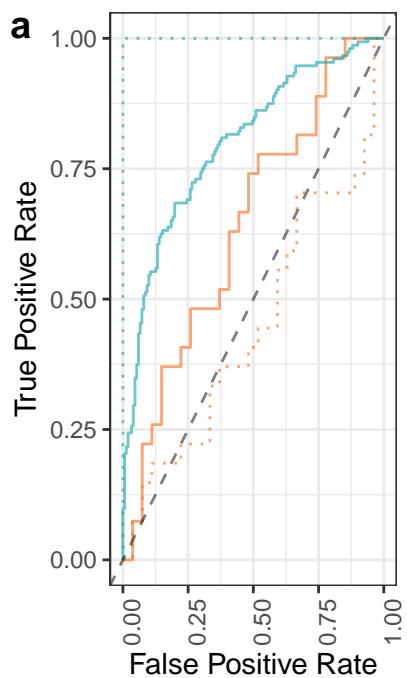


Shuffled

False

True

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

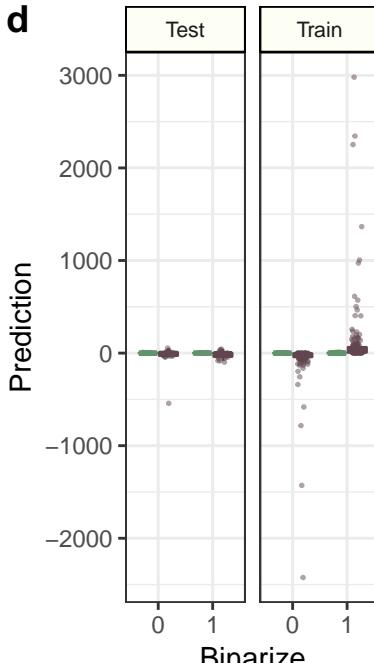
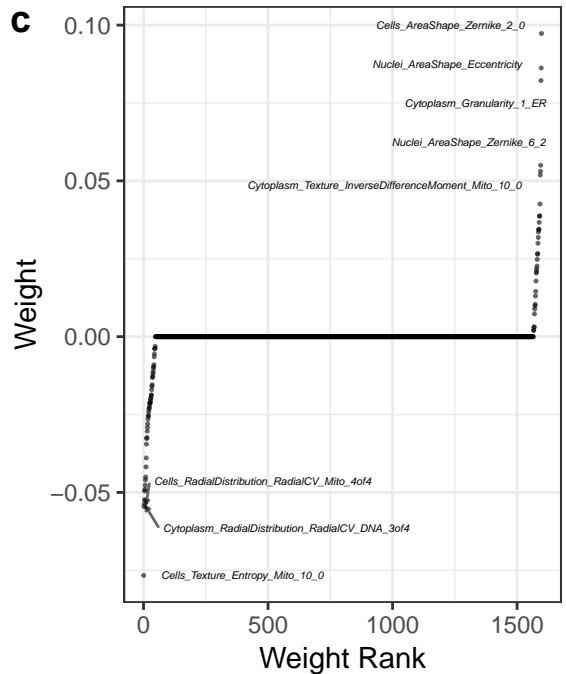


Test  
Train

Shuffled Data

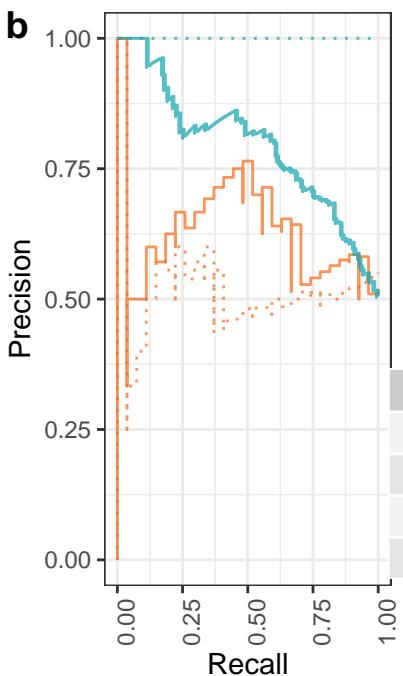
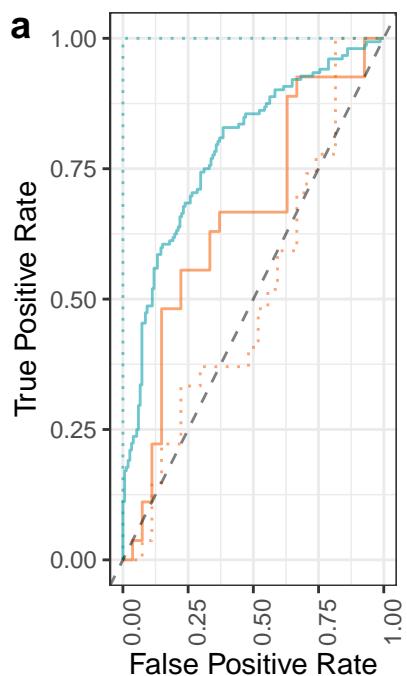
Real  
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.80	0.81	True	False	151
Test	0.64	0.62	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.45	0.50	Test	True	151



Shuffled  
False  
True

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

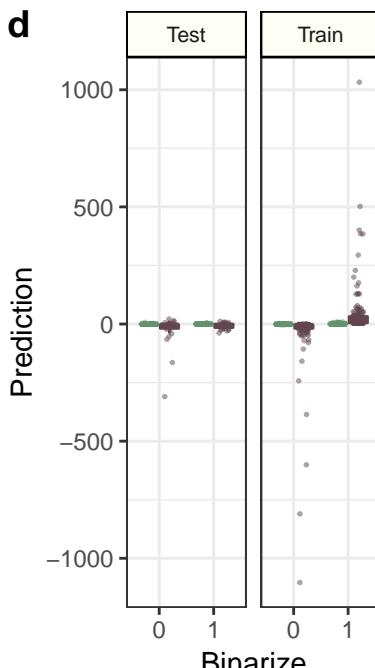
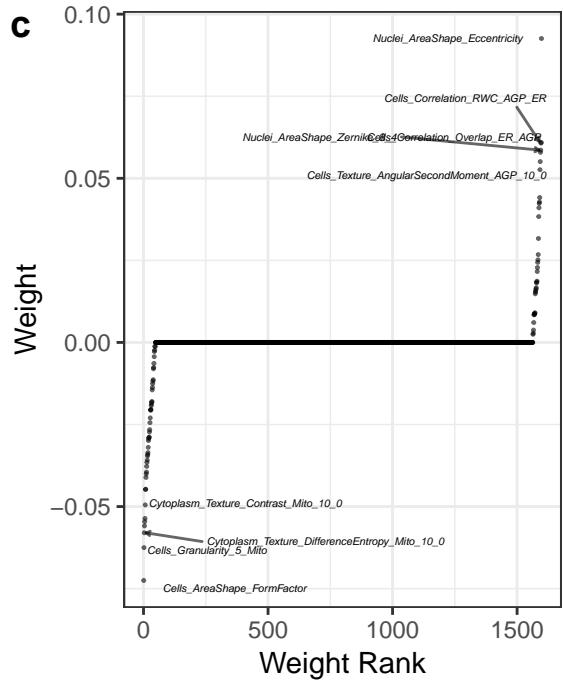


Shuffled Data

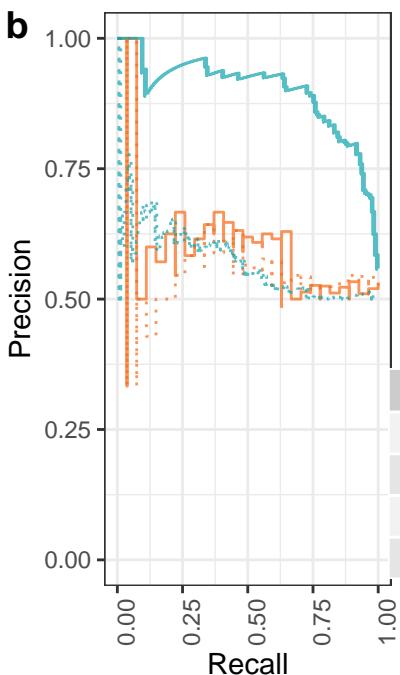
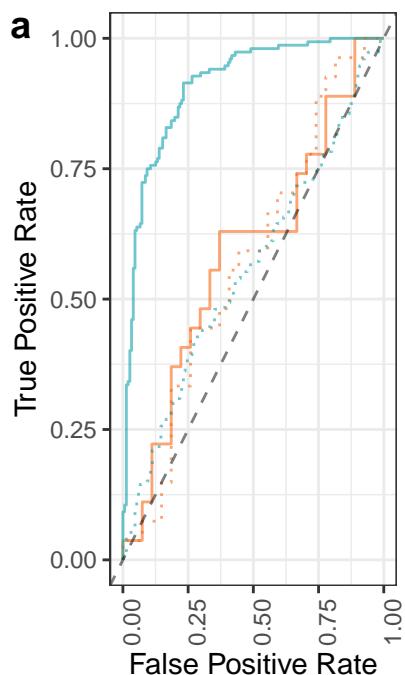
Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.79	0.79	True	False	151
Test	0.65	0.62	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.51	0.51	Test	True	151



# Performance: vb\_infection\_percentage



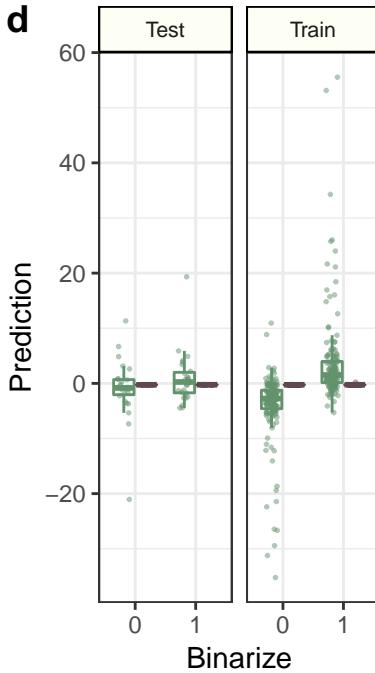
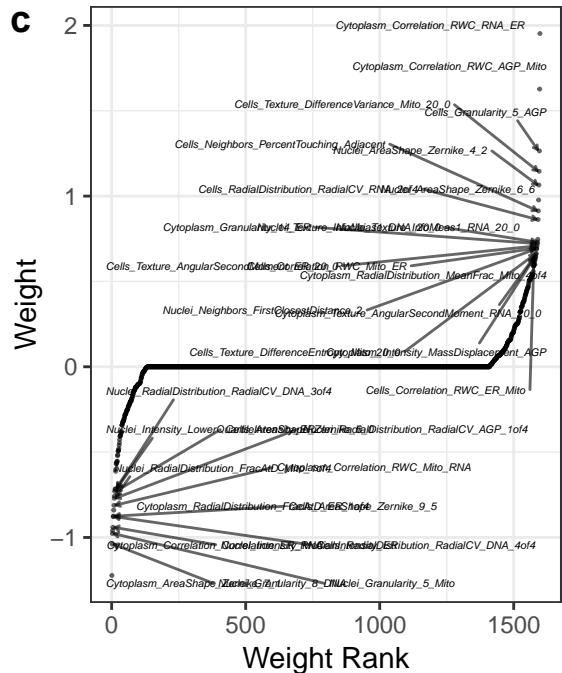
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.91	0.90	True	False	151
Test	0.59	0.59	Test	False	151
Train	0.56	0.57	Train	True	151
Test	0.57	0.57	Test	True	151

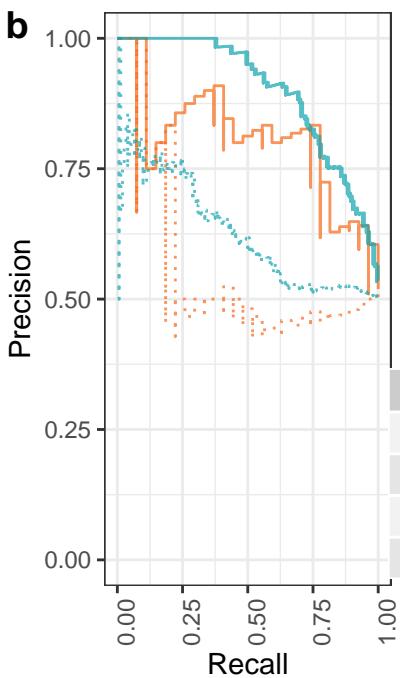
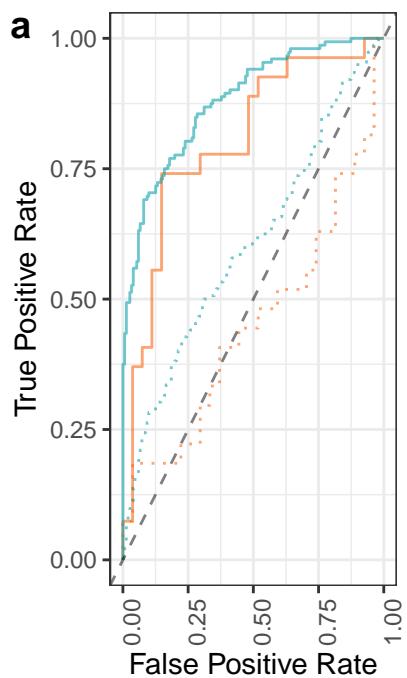


Shuffled

False

True

# Performance: vb\_live\_cell\_area



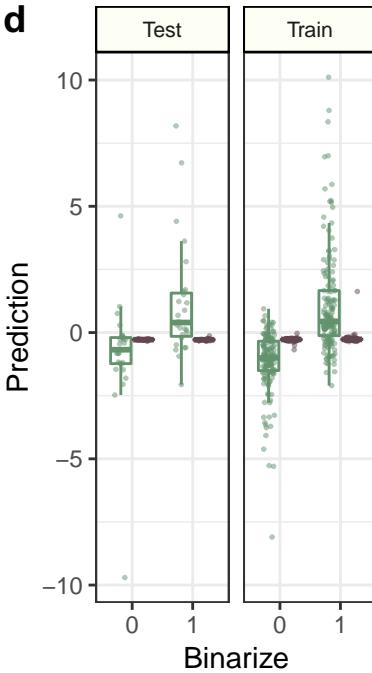
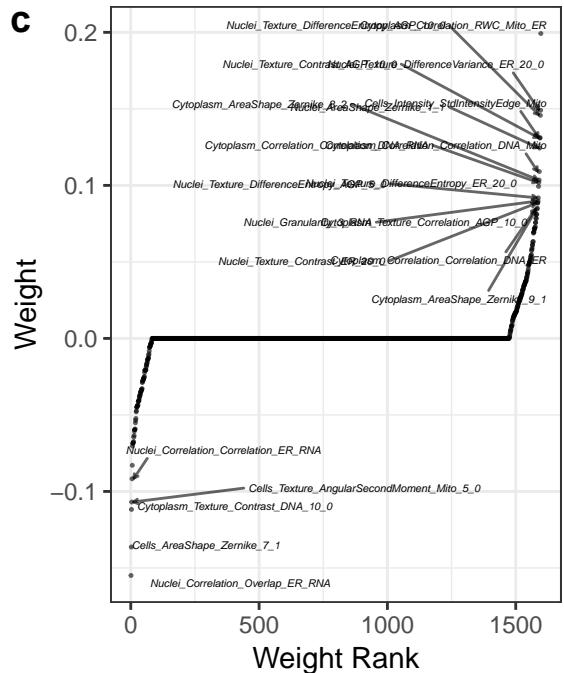
Test  
Train

Shuffled Data

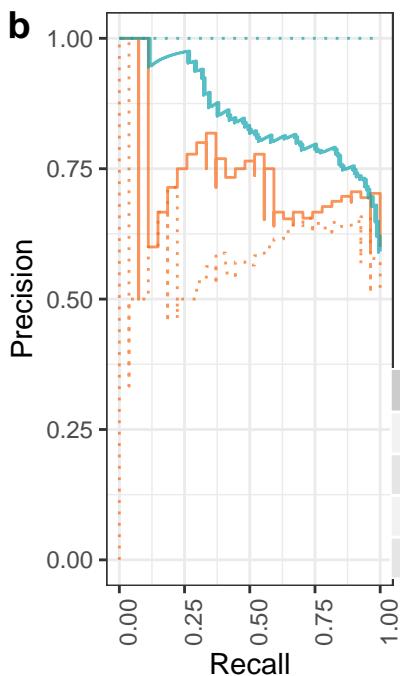
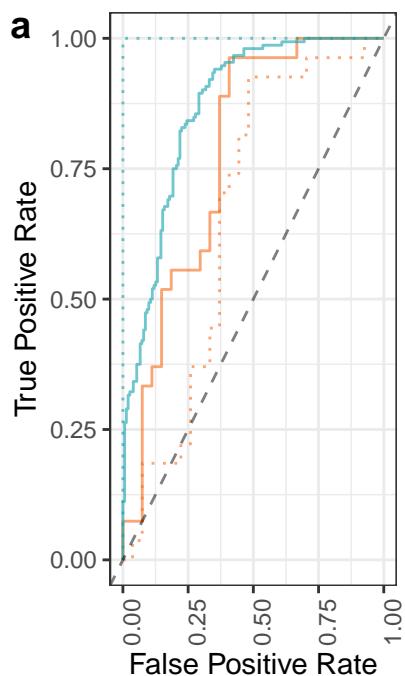
Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.88	0.90	True	False	151
Test	0.80	0.79	Test	False	151
Train	0.60	0.63	Train	True	151
Test	0.45	0.55	Test	True	151



# Performance: vb\_live\_cell\_roundness



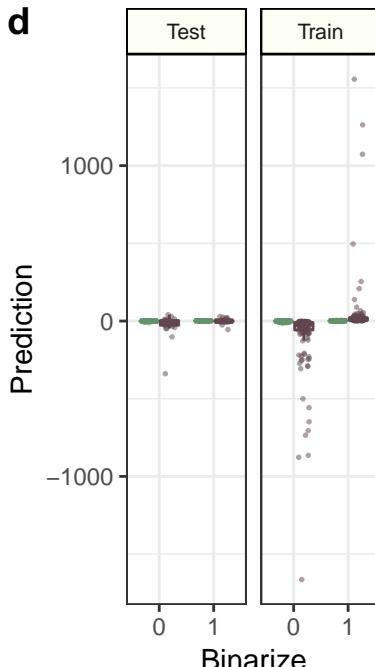
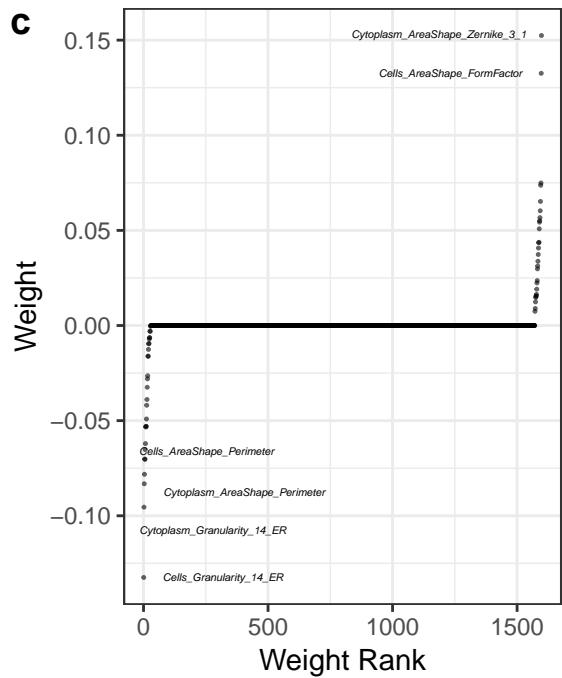
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.87	0.85	Train	False	151
Train	0.78	0.73	Test	False	151
True	1.00	1.00	Train	True	151
False	0.66	0.59	Test	True	151

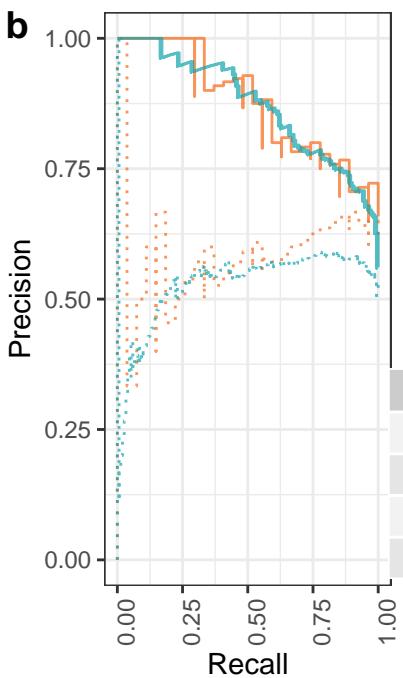
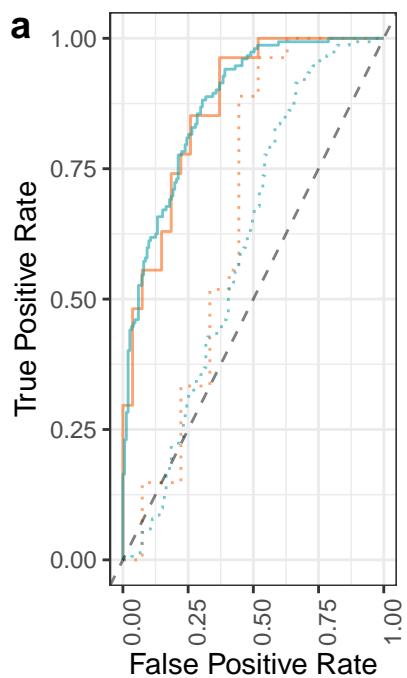


Shuffled

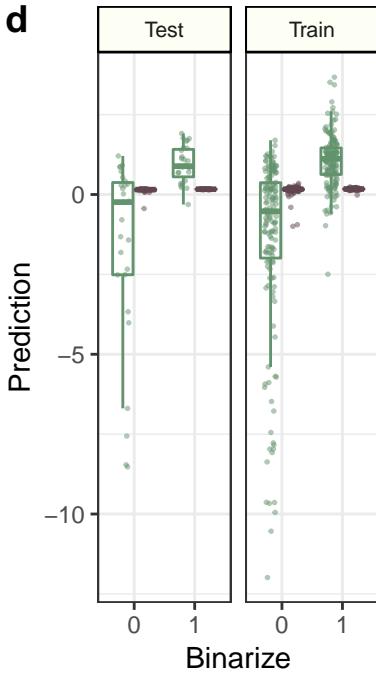
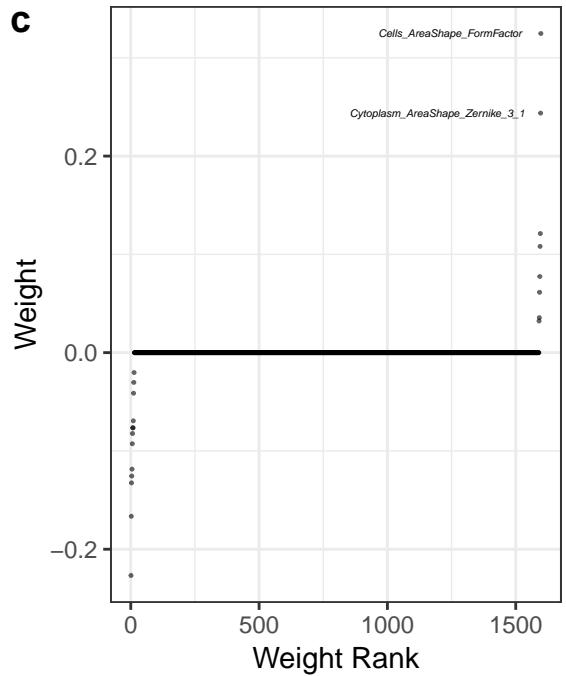
False

True

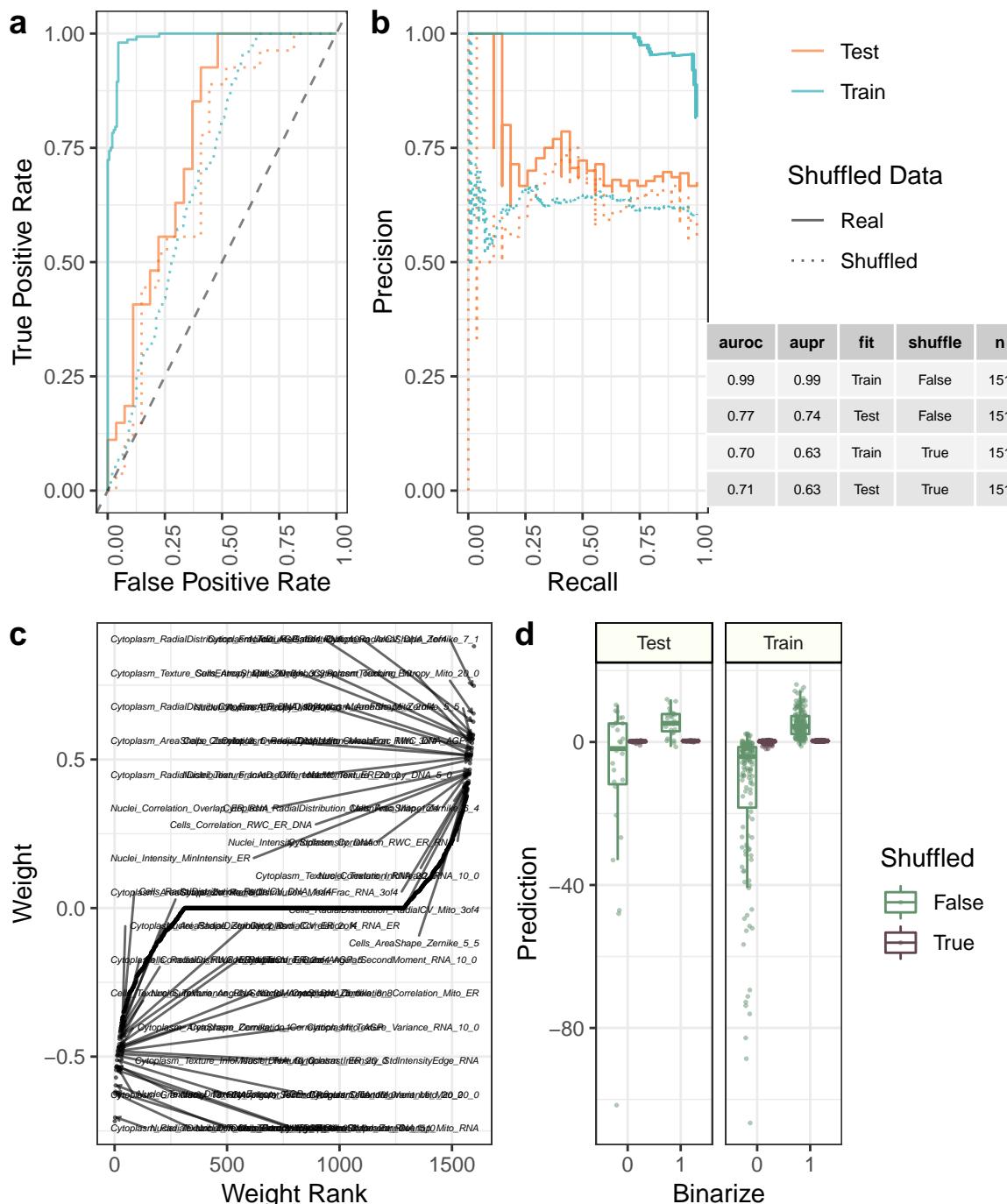
# Performance: vb\_live\_cell\_width\_length



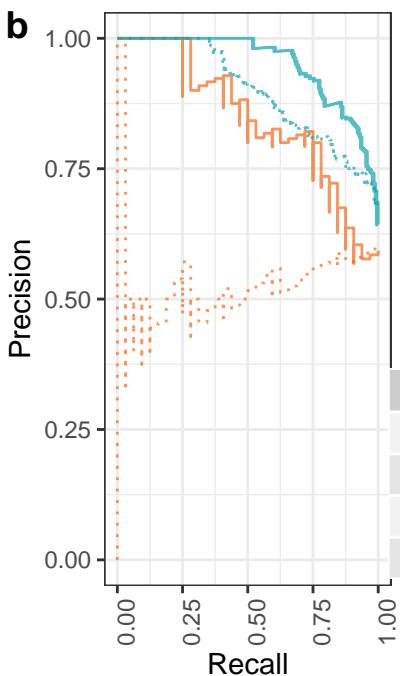
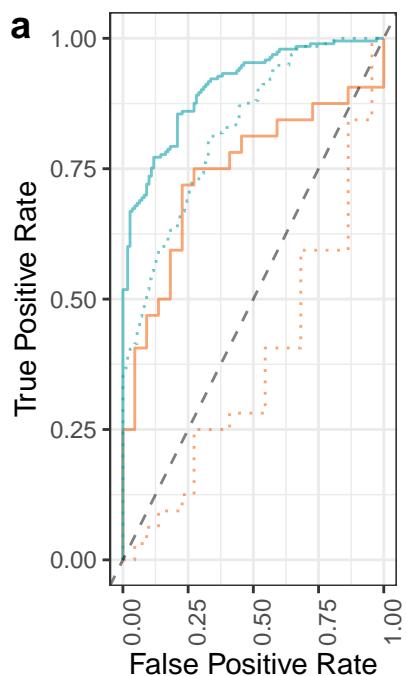
	auroc	aupr	fit	shuffle	n
Train	0.87	0.87	True	False	151
Test	0.87	0.87	Test	False	151
Train	0.60	0.53	Train	True	151
Test	0.66	0.58	Test	True	151



# Performance: vb\_num\_live\_cells



# Performance: vb\_percent\_all\_apoptosis



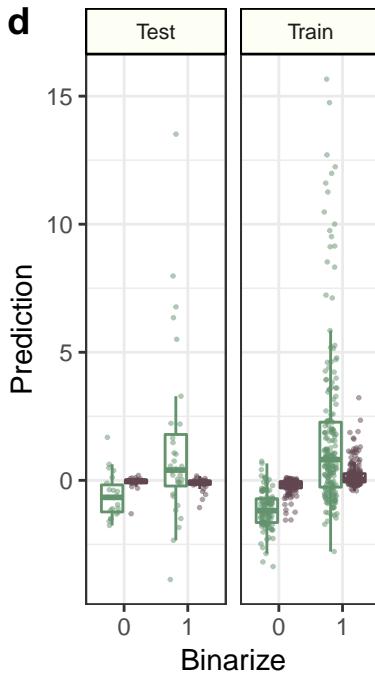
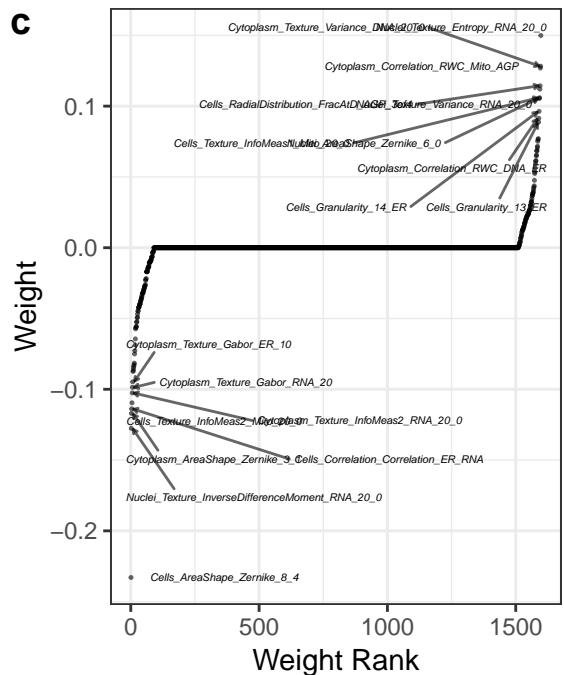
Test  
Train

Shuffled Data

Real

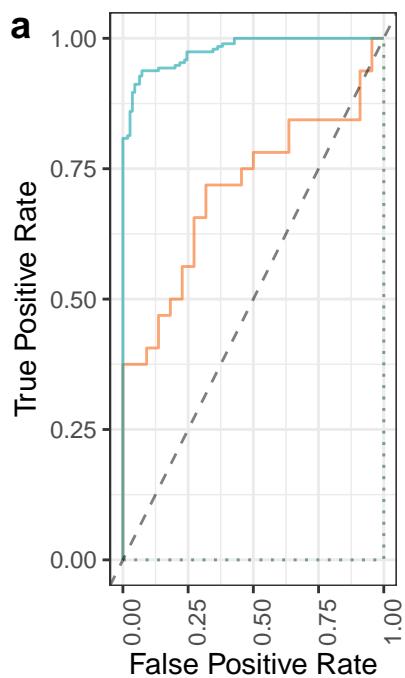
Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.91	0.95	True	False	110
Test	0.74	0.84	Test	False	110
Train	0.82	0.90	Train	True	110
Test	0.38	0.53	Test	True	110



Shuffled  
False  
True

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



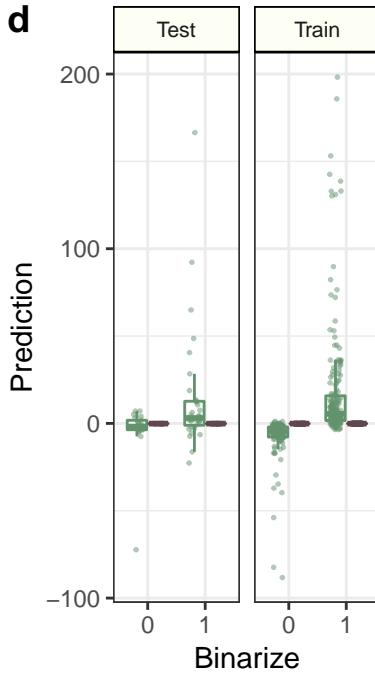
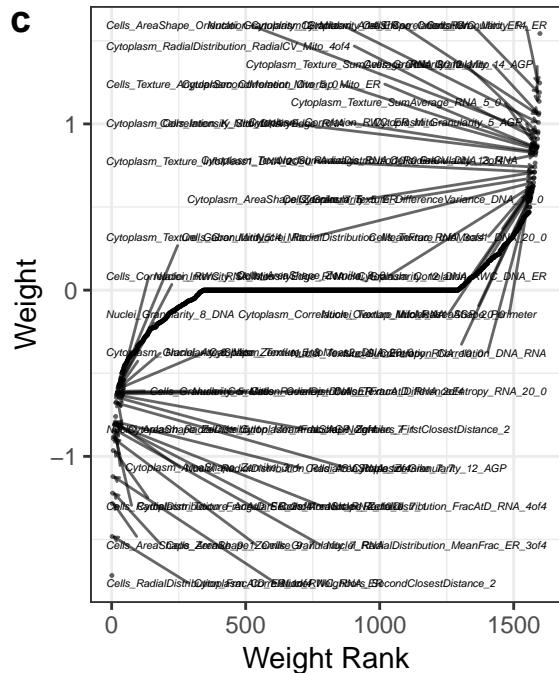
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.98	0.99	True	False	110
Test	0.71	0.82	Test	False	110
Train	0.50	0.64	Train	True	110
Test	0.50	0.59	Test	True	110

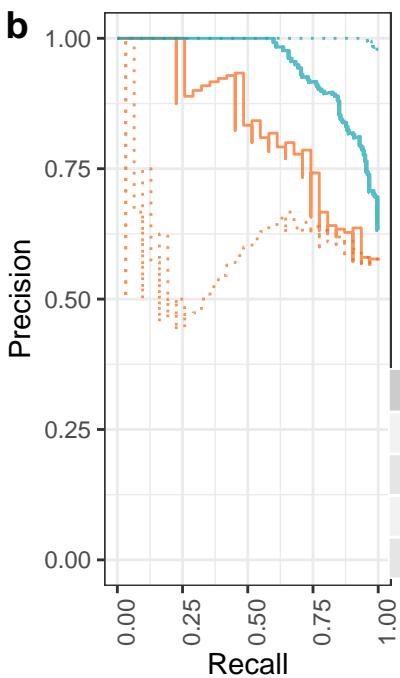
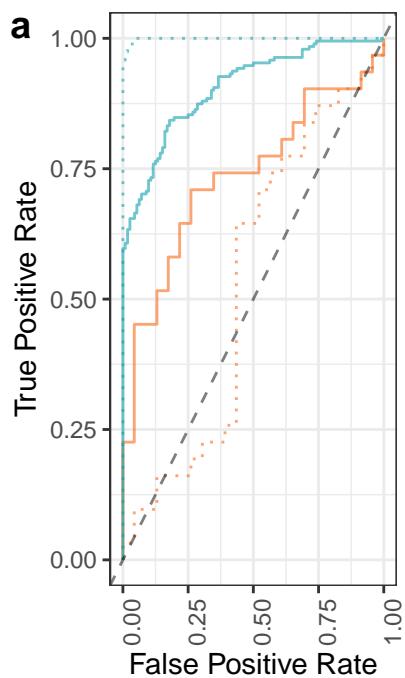


Shuffled

False

True

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



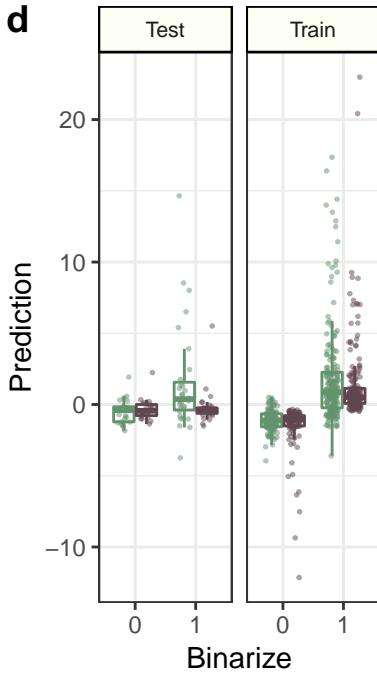
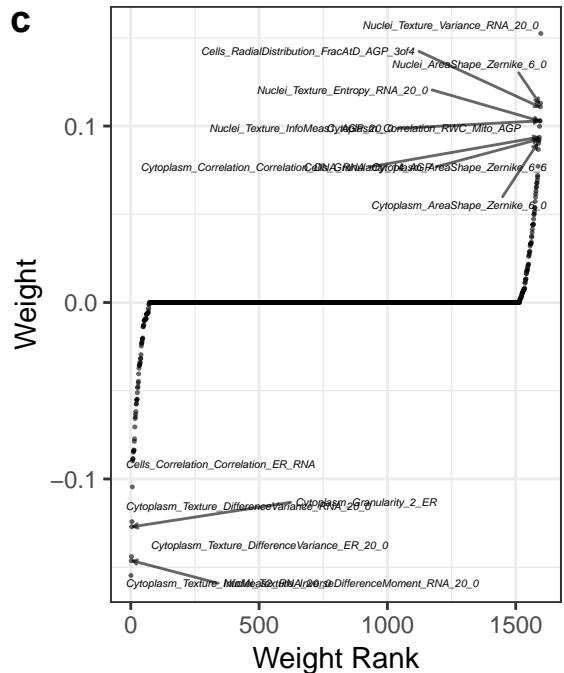
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.91	0.95	True	False	112
Test	0.73	0.82	Test	False	112
Train	1.00	1.00	Train	True	112
Test	0.53	0.61	Test	True	112

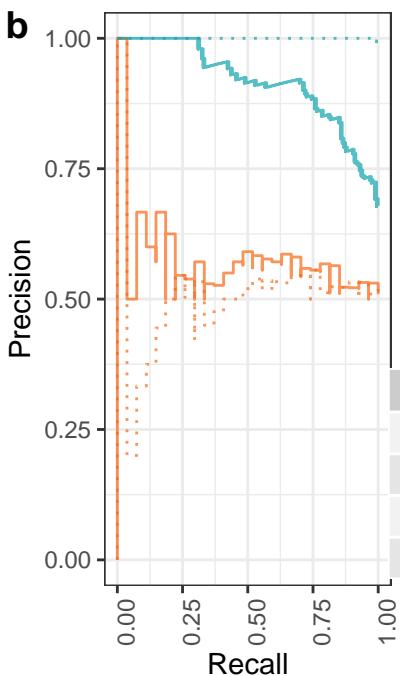
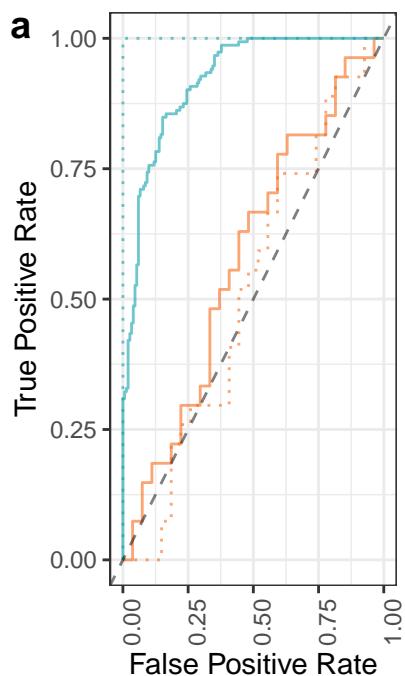


Shuffled

False

True

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



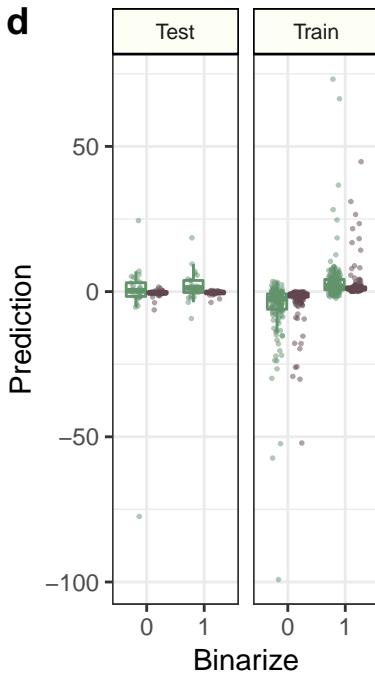
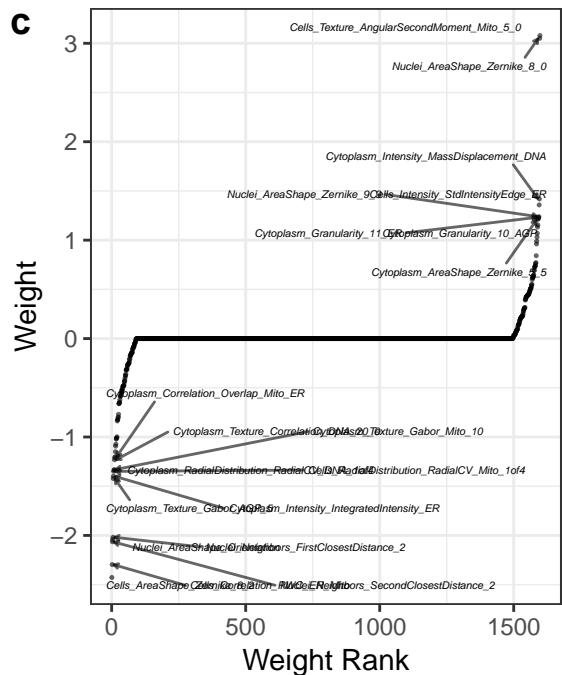
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Train	0.92	0.92	True	False	151
Test	0.58	0.56	Test	False	151
Train	1.00	1.00	Train	True	151
Test	0.52	0.49	Test	True	151

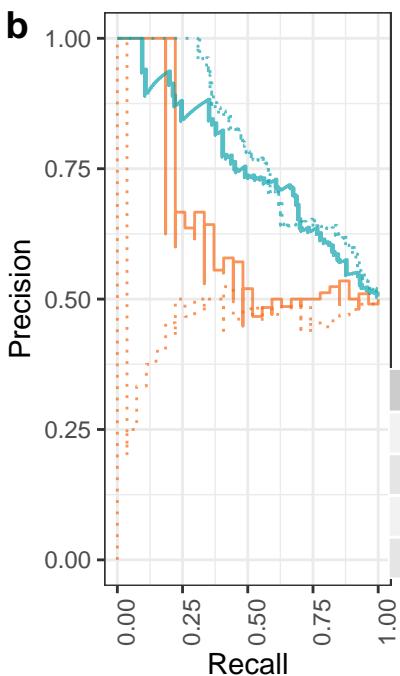
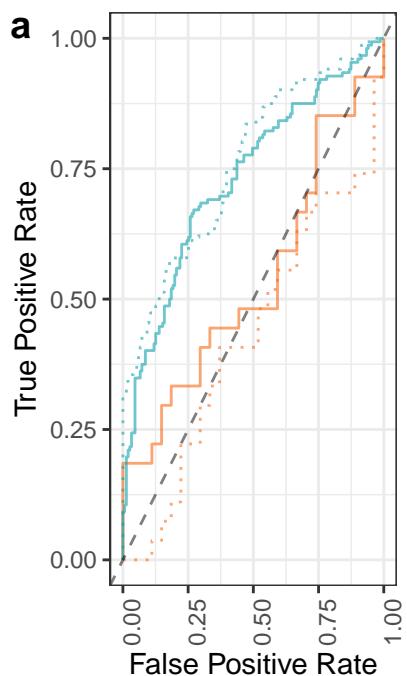


Shuffled

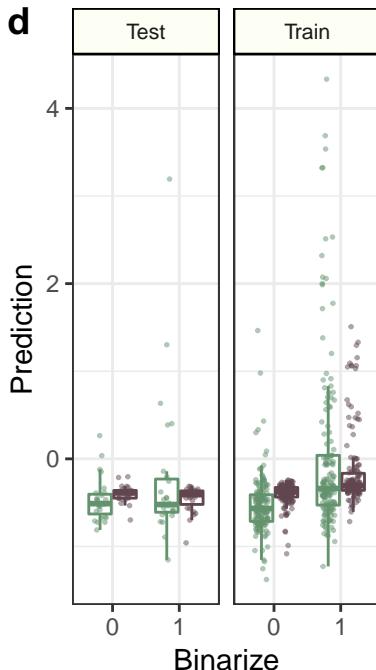
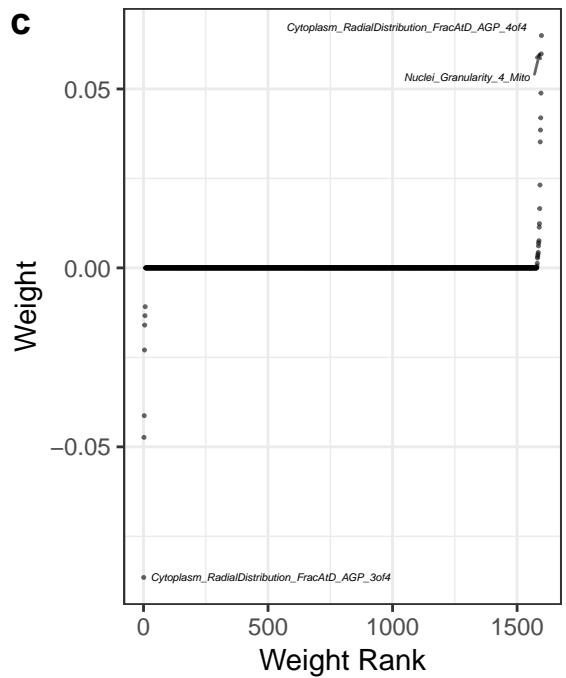
False

True

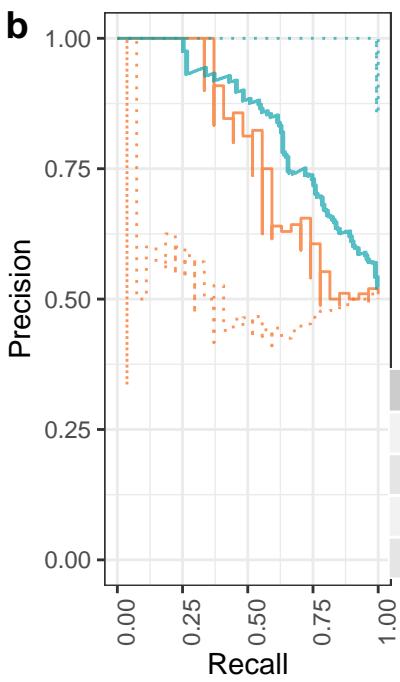
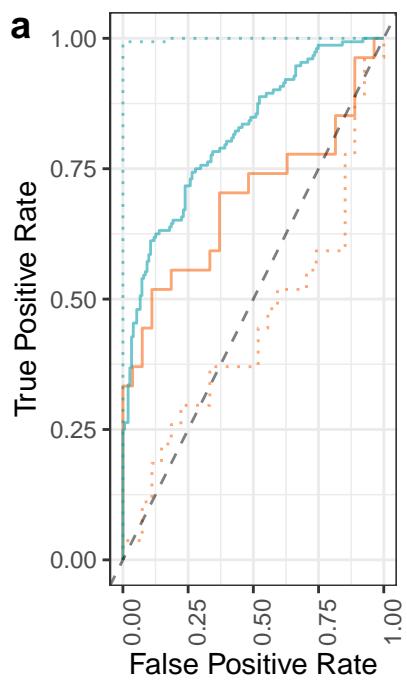
# Performance: vb\_percent\_dead



	auroc	aupr	fit	shuffle	n
Train	0.73	0.76	True	False	151
Test	0.54	0.62	Test	False	151
Train	0.76	0.80	Train	True	151
Test	0.43	0.46	Test	True	151



# Performance: vb\_percent\_dead\_only



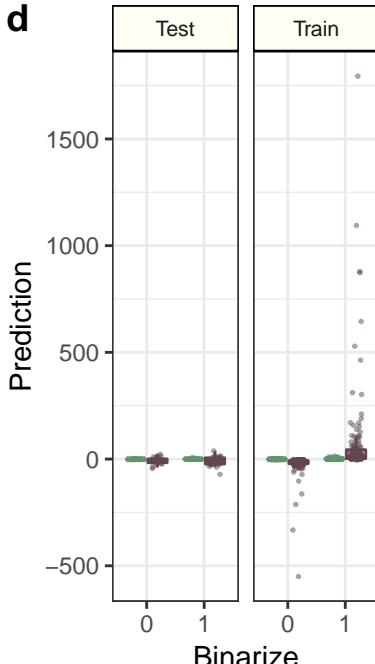
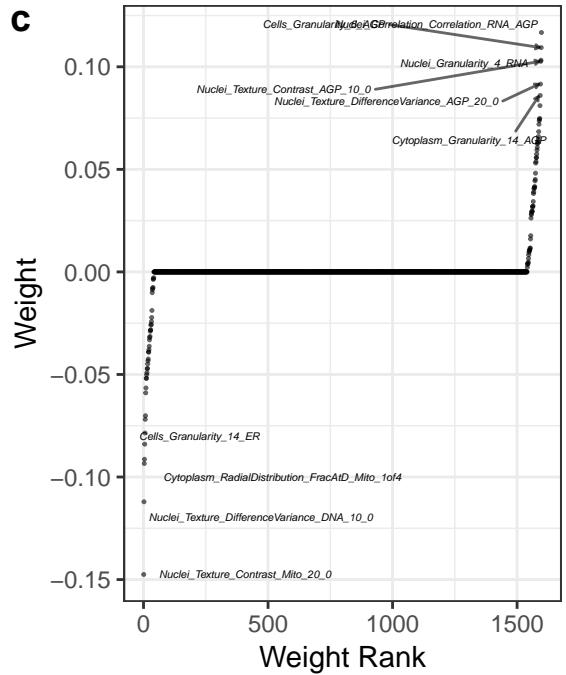
Test  
Train

Shuffled Data

Real

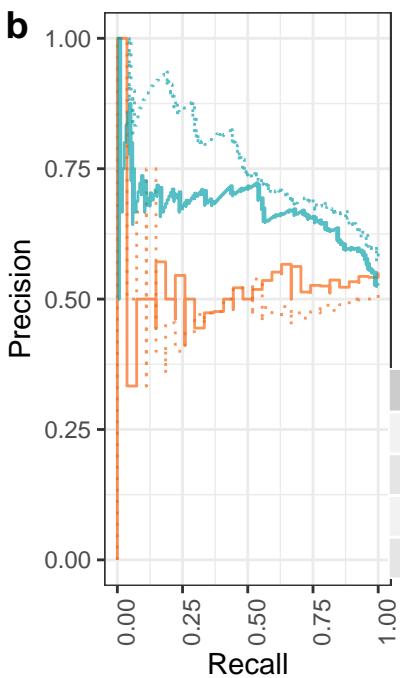
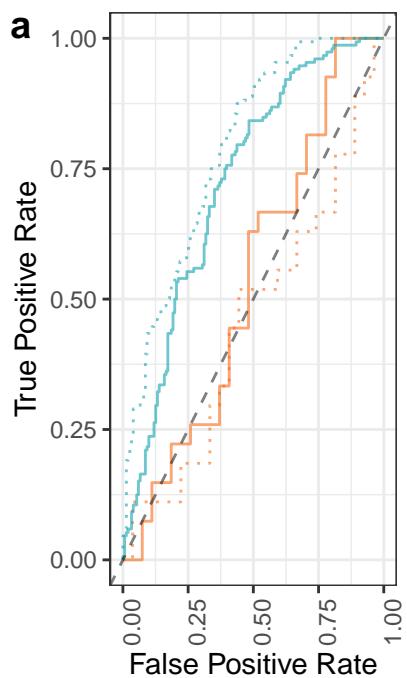
Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.82	0.84	Train	False	151
Train	0.69	0.77	Test	False	151
True	1.00	1.00	Train	True	151
False	0.44	0.52	Test	True	151



Shuffled  
False  
True

# Performance: vb\_percent\_live



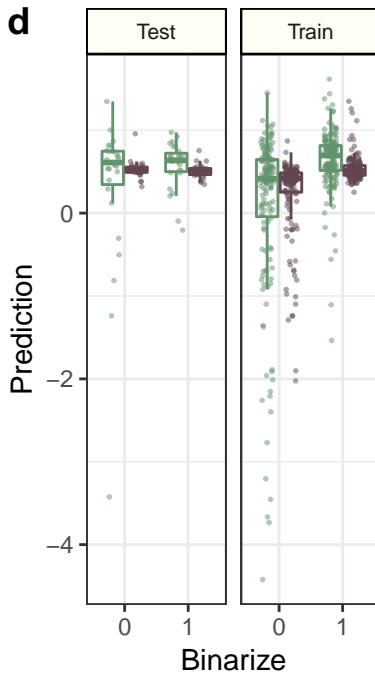
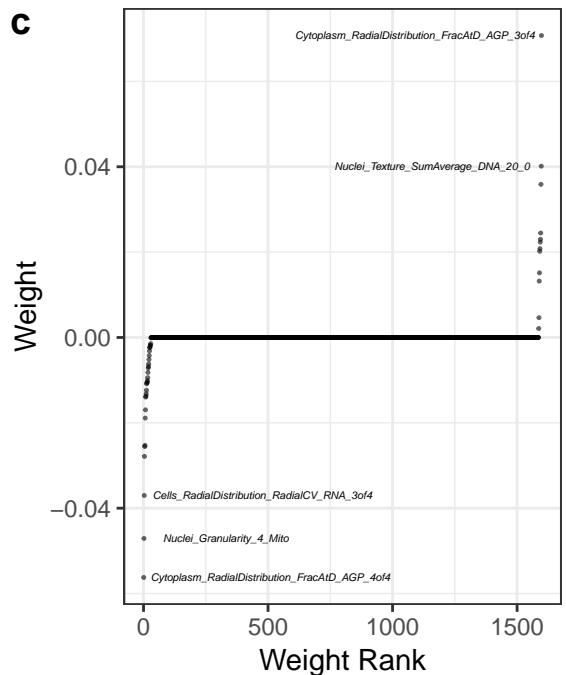
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.72	0.68	Train	False	151
Train	0.53	0.51	Test	False	151
True	0.79	0.77	Train	True	151
False	0.46	0.50	Test	True	151

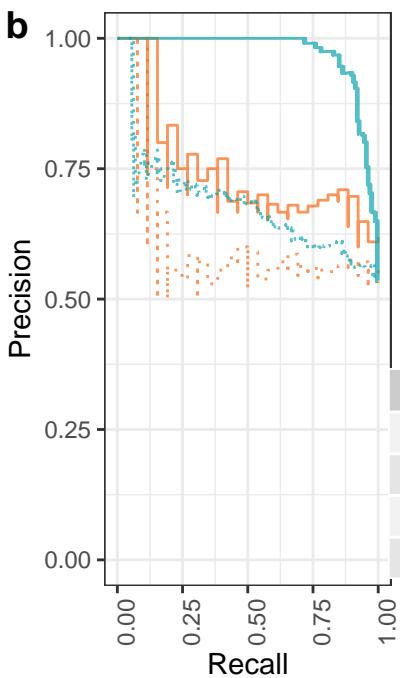
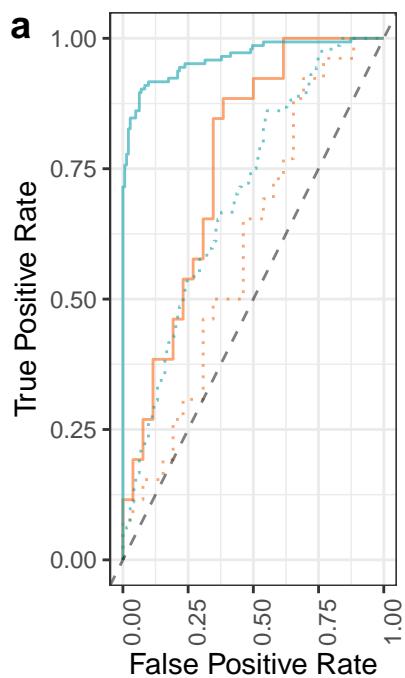


Shuffled

False

True

# Performance: vb\_ros\_back\_mean



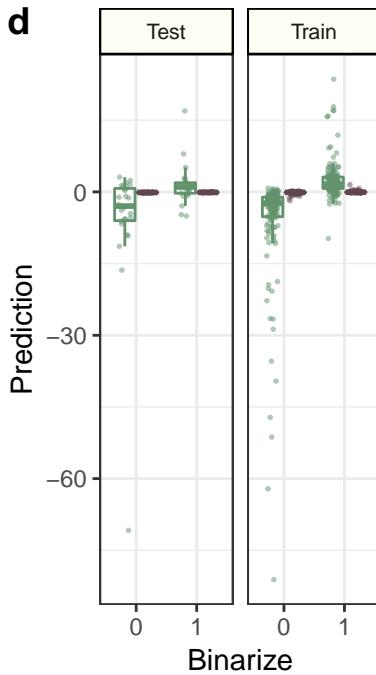
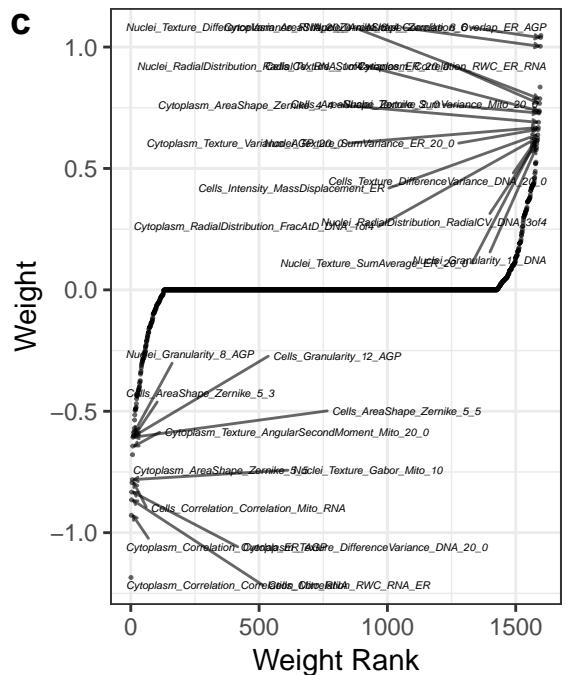
Test  
Train

Shuffled Data

Real

Shuffled

	auroc	aupr	fit	shuffle	n
Test	0.97	0.74	False	143	
Train	0.76	0.68	True	143	
Shuffled	0.60	0.61	True	143	
					143

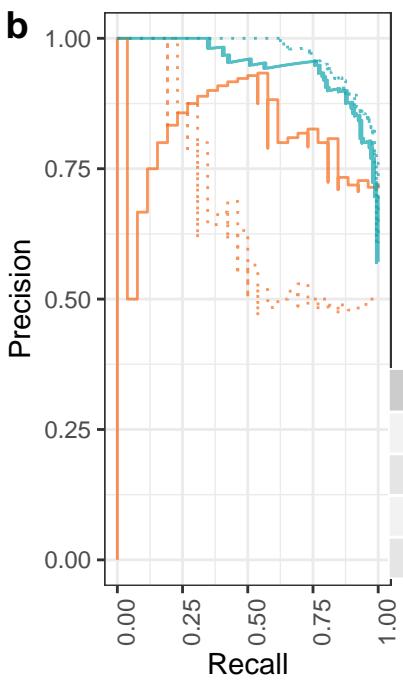
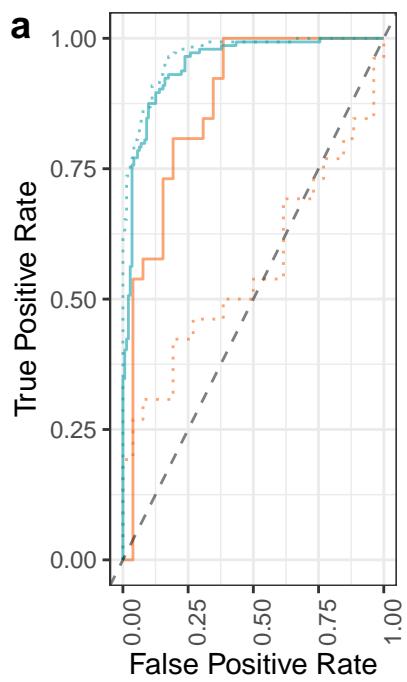


Shuffled

False

True

# Performance: vb\_ros\_mean



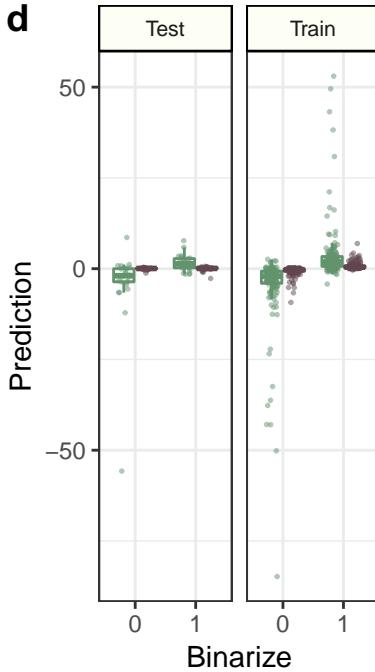
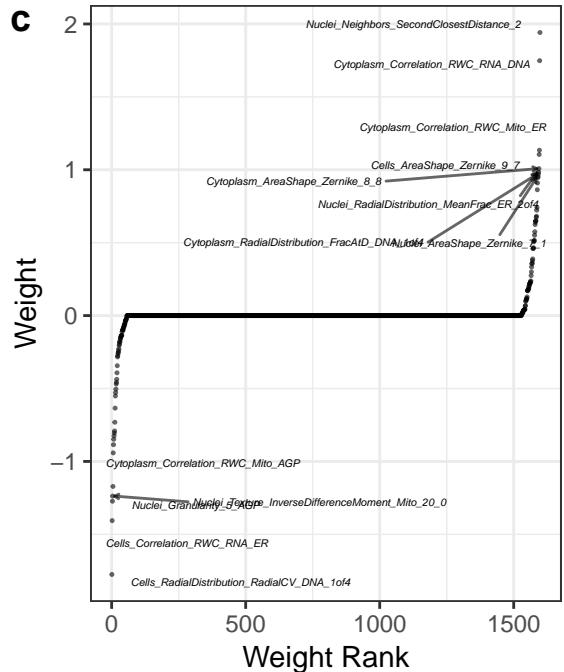
Test  
Train

Shuffled Data

Real

Shuffled

auroc	aupr	fit	shuffle	n
0.95	0.95	Train	False	143
0.87	0.81	Test	False	143
0.97	0.97	Train	True	143
0.56	0.66	Test	True	143



Shuffled

False

True