Mean Trained vs. Cross Validation = (37% significantly different) | **Mean Trained vs. Random = (78% significantly different)** | **CrossValidation vs. Random = (59% significantly different)**

OBJ-1

Mean Trained				S.E. Trained				Mean Predicted				S.E. Predicted				Mean Random				S.E. Random		
Snail	0.00	1.00	0.00	Snail	0.00	0.09	0.00	Snail	0.00	1.00	0.00	Snail	0.00	0.16	0.00	Snail	0.00	1.00	0.00	Snail	0.00	0.00	0.00
Slug	0.00	0.00	1.00	Slug	0.00	0.00	0.19	Slug	0.00	0.00	1.00	Slug	0.00	0.00	0.19	Slug	0.00	0.00	1.00	Slug	0.00	0.00	0.19
LEF1	0.00	0.73	1.00	LEF1	0.00	0.22	0.37	LEF1	0.00	0.66	1.00	LEF1	0.00	0.18	0.32	LEF1	0.01	0.87	0.11	LEF1	0.01	0.02	0.03
Snail	-	-	+	Snail	-	-	+	Snail	-	-	+	Snail	-	-	+	Snail	-	-	+	Snail	-	-	+
Slug	-	+	-	Slug	-	+	-	Slug	-	+	-	Slug	-	+	-	Slug	-	+	-	Slug	-	+	-

OBJ-2

Mean Trained						S.E. Trained						Mean Predicted						S.E. Predicted						Mean Random						S.E. Random				
E-cad	0.92	0.00	0.00	1.00	0.81	E-cad	0.19	0.00	0.00	0.10	0.14	E-cad	1.00	0.00	0.00	0.06	0.06	E-cad	0.25	0.00	0.00	0.01	0.02	E-cad	0.97	0.09	0.16	0.17	0.18	E-cad	0.02	0.02	0.03	0.03	0.03
VIM	0.00	0.96	1.00	0.00	0.00	VIM	0.00	0.11	0.11	0.00	0.00	VIM	0.00	1.00	0.95	0.00	0.00	VIM	0.00	0.15	0.14	0.00	0.00	VIM	0.49	0.23	0.16	0.00	0.00	VIM	0.04	0.04	0.03	0.00	0.00
Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-
Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+
DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+

OBJ-3

Mean Trained				S.E. Trained				Mean Predicted				S.E. Predicted				Mean Random				S.E. Random		
TGFB3	0.00	1.00	0.95	LEF1	0.00	0.13	0.12	LEF1	0.00	0.77	1.00	LEF1	0.00	0.22	0.20	LEF1	0.00	0.61	0.16	LEF1	0.00	0.04	0.03
Snail	-	-	+	Snail	-	-	+	Snail	-	-	+	Snail	-	-	+	Snail	-	-	+	Snail	-	-	+
Slug	-	+	-	Slug	-	+	-	Slug	-	+	-	Slug	-	+	-	Slug	-	+	-	Slug	-	+	-

OBJ-4

Mean Trained						S.E. Trained						Mean Predicted						S.E. Predicted						Mean Random						S.E. Random				
LEF1	0.00	0.98	1.00	0.03	0.02	LEF1	0.00	0.10	0.11	0.01	0.01	LEF1	0.00	0.95	1.00	0.00	0.00	LEF1	0.00	0.10	0.10	0.00	0.00	LEF1	0.13	0.70	0.17	0.11	0.11	LEF1	0.03	0.04	0.03	0.03	0.03
E-cad	1.00	0.00	0.00	0.54	0.35	E-cad	0.20	0.00	0.00	0.16	0.12	E-cad	1.00	0.34	0.37	0.00	0.37	E-cad	0.26	0.13	0.14	0.00	0.06	E-cad	0.98	0.10	0.17	0.15	0.17	E-cad	0.01	0.02	0.03	0.03	0.03
VIM	0.00	1.00	0.94	0.00	0.00	VIM	0.00	0.13	0.12	0.00	0.00	VIM	0.00	0.72	1.00	0.00	0.00	VIM	0.00	0.15	0.15	0.00	0.00	VIM	0.16	0.63	0.14	0.06	0.08	VIM	0.03	0.03	0.03	0.02	0.03
Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-
Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+
TGFB3-Ab	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+

OBJ-5

Mean Trained						S.E. Trained						Mean Predicted						S.E. Predicted						Mean Random						S.E. Random				
B-catenin	0.01	0.99	1.00	0.00	0.25	B-catenin	0.00	0.25	0.26	0.00	0.06	B-catenin	0.00	0.00	0.00	0.02	1.00	B-catenin	0.00	0.00	0.00	0.02	0.65	B-catenin	0.00	0.00	0.00	0.00	0.00	B-catenin	0.00	0.00	0.00	0.00	0.00
TCF4	0.87	0.23	0.00	0.77	1.00	TCF4	0.27	0.07	0.00	0.26	1.00	TCF4	1.00	0.04	0.00	0.95	1.00	TCF4	0.93	0.12	0.00	1.00	0.95	TCF4	0.00	0.00	0.00	0.00	0.00	TCF4	0.00	0.00	0.00	0.00	0.00
Snail	-	+	-	-	-	Snail	-	+	-	-	-	Snail	-	+	-	-	-	Snail	-	+	-	-	-	Snail	-	+	-	-	-	Snail	-	+	-	-	-
Slug	-	-	-	+	-	Slug	-	-	-	+	-	Slug	-	-	-	+	-	Slug	-	-	-	+	-	Slug	-	-	-	+	-	Slug	-	-	-	+	-
E-cad	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+

OBJ-6

Mean Trained						S.E. Trained						Mean Predicted						S.E. Predicted						Mean Random						S.E. Random				
TGFB3	0.00	0.89	1.00	0.49	0.60	TGFB3	0.00	0.14	0.12	0.09	0.09	TGFB3	0.00	0.71	1.00	0.31	0.48	TGFB3	0.00	0.12	0.16	0.08	0.11	TGFB3	0.00	0.58	0.15	0.04	0.07	TGFB3	0.00	0.04	0.03	0.02	0.02
E-cad	0.90	0.00	0.00	1.00	0.71	E-cad	0.18	0.00	0.00	0.15	0.12	E-cad	0.52	0.00	0.00	0.92	1.00	E-cad	0.06	0.00	0.00	0.16	0.17	E-cad	0.90	0.00	0.90	0.90	0.98	E-cad	0.00	0.00	0.00	0.00	0.00
VIM	0.00	0.97	1.00	0.51	0.66	VIM	0.00	0.10	0.10	0.05	0.07	VIM	0.00	1.00	0.94	0.40	0.39	VIM	0.00	0.15	0.15	0.06	0.06	VIM	0.32	0.76	0.11	0.43	0.20	VIM	0.04	0.04	0.03	0.02	0.02
Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-	Snail	-	+	-	+	-
Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+	Slug	-	-	+	-	+
E-cad	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+	DN LEF1	-	-	-	+	+

OBJ-7

Mean Trained			S.E. Trained			Mean Predicted			S.E. Predicted			Mean Random			S.E. Random		
Snail	0.00	0.00	Snail	0.00	0.00	Snail	0.00	0.00	Snail	0.00	0.00	Snail	0.00	0.00	Snail	0.00	0.00
Slug	0.00	0.00	Slug	0.00	0.00	Slug	0.00	0.00	Slug	0.00	0.00	Slug	0.00	0.00	Slug	0.00	0.00
TGFB3	-	+	Snail	-	+	Snail	-	+	Snail	-	+	Snail	-	+	Snail	-	+

OBJ-8

Mean Trained				S.E. Trained				Mean Predicted				S.E. Predicted				Mean Random				S.E. Random		
LEF1	0.05	1.00	0.00	LEF1	0.02	0.14	0.00	LEF1	0.02	1.00	0.00	LEF1	0.01	0.25	0.00	LEF1	0.27	0.61	0.09	LEF1	0.04	0.05	0.02
TGFB3	-	-	+	Snail	-	-	+	Snail	-	-	+	Snail	-	-	+	Snail	-	-	+	Snail	-	-	+
DN Smad4	-	+	-	Slug	-	+	-	Slug	-	+	-	Slug	-	+	-	Slug	-	+	-	Slug	-	+	-

OBJ-9

Mean Trained					S.E. Trained					Mean Predicted					S.E. Predicted					Mean Random					S.E. Random			
E-cad	0.96	0.00	0.96	1.00	LEF1	0.20	0.00	0.00	0.20	0.17	LEF1	0.86	0.00	0.86	1.00	LEF1	0.19	0.00	0.19	0.22	LEF1	0.00	0.00	0.00	0.00	LEF1	0.00	0.00	0.00	0.00
VIM	0.00	1.00	0.00	0.00	E-cad	0.00	0.11	0.00	0.00	E-cad	0.00	1.00	0.00	0.00	E-cad	0.00	0.24	0.00	0.00	E-cad	0.42	0.33	0.09	0.00	E-cad	0.04	0.04	0.03	0.00
TGFB3	-	+	-	+	Snail	-	+	-	+	Snail	-	+	-	+	Snail	-	+	-	+	Snail	-	+	-	+	Snail	-	+	-	+
DN Smad4	-	-	+	-	Slug	-	-	+	-	Slug	-	-	+	-	Slug	-	-	+	-	Slug	-	-	+	-	Slug	-	-	+	-
DN LEF1	-	-	-	+	DN LEF1	-	-	-	+	DN LEF1	-	-	-	+	DN LEF1	-	-	-	+	DN LEF1	-	-	-	+	DN LEF1	-	-	-	+

OBJ-10

Mean Trained				S.E. Trained				Mean Predicted				S.E. Predicted				Mean Random				S.E. Random		
Snail	0.00	1.00	0.00	Slug	0.00	0.19	0.00	Slug	0.00	1.00	0.00	Slug	0.00	0.18	0.00	Slug	0.00	0.00	0.00	Slug	0.00	0.00	0.00
Slug	0.00	1.00	0.00	LEF1	0.00	0.20	0.00	LEF1	0.00	1.00	0.00	LEF1	0.00	0.12	0.00	LEF1	0.00	0.00	0.00	LEF1	0.00	0.00	0.00
TGFB2	-	+	+	Snail	-	+	+	Snail	-	+	+	Snail	-	+	+	Snail	-	+	+	Snail	-	+	+
DN MEK	-	+	+	Slug	-	+	+	Slug	-	+	+	Slug	-	+	+	Slug	-	+	+	Slug	-	+	+

OBJ-11

Mean Trained				S.E. Trained				Mean Predicted				S.E. Predicted				Mean Random				S.E. Random		
LEF1	0.05	1.00	0.00	LEF1	0.02	0.15	0.00	LEF1	0.02	1.00	0.00	LEF1	0.01	0.25	0.00	LEF1	0.15	0.86	0.25	LEF1	0.04	0.03	0.04
TGFB2	-	+	+	Snail	-	+	+	Snail	-	+	+	Snail	-	+	+	Snail	-	+	+	Snail	-	+	+
DN MEK	-	-	+	Slug	-	-	+	Slug	-	-	+	Slug	-	-	+	Slug	-	-	+	Slug	-	-	+