

Islet	Module	strain	Expression patterns							pattern	interpretation
			6	11	12	15	10	9	7		
turquoise	B6	509	751	5	156	0	0	0	0	6	obesity only
	BTBR	434	813	0	174	0	0	0	0	11	obesity and age when obese
brown	B6	750	80	29	47	0	0	0	0	12	obesity and age when lean
	BTBR	653	195	4	54	0	0	0	0	15	all different
blue	B6	795	100	23	80	0	0	0	0	10	age and obesity at 4 wk
	BTBR	655	173	0	169	0	0	0	0	9	age and obesity at 10 wk
green	B6	302	19	40	117	0	0	0	0	7	age only
	BTBR	206	100	9	163	0	0	0	0		
lightgreen	B6	38	7	1	1	0	0	0	0		
	BTBR	53	3	0	7	0	0	0	0		
black	B6	211	78	9	28	0	0	0	0		
	BTBR	8	289	1	25	0	0	0	0		
red	B6	190	130	21	128	0	0	0	0		
	BTBR	32	284	2	147	0	0	0	0		
purple	B6	120	35	6	63	0	0	0	0		
	BTBR	28	142	0	54	0	0	0	0		
cyan	B6	42	43	2	18	0	0	0	0		
	BTBR	0	84	0	5	0	2	0	0		
magenta	B6	60	69	1	95	0	0	0	0		
	BTBR	0	112	0	20	0	18	0	0		
lightyellow	B6	30	0	23	6	0	0	0	0		
	BTBR	25	3	1	29	0	1	0	0		
midnightblue	B6	99	4	0	1	0	0	0	0		
	BTBR	83	7	0	14	0	0	0	0		
tan	B6	26	88	3	53	0	0	0	0		
	BTBR	32	30	0	105	0	3	0	0		
pink	B6	2	169	0	56	0	0	0	0		
	BTBR	13	7	3	201	0	1	0	0		
salmon	B6	12	10	7	133	0	0	0	0		
	BTBR	10	9	2	139	0	0	0	0		
grey60	B6	2	3	0	68	0	0	0	0		
	BTBR	0	3	0	55	0	15	0	0		
lightcyan	B6	73	1	0	0	0	0	0	0		
	BTBR	5	3	0	34	0	0	0	0		
yellow	B6	565	282	0	11	0	0	0	0		
	BTBR	8	31	0	574	0	3	0	0		
greenyellow	B6	0	7	0	197	12	0	0	1		
	BTBR	0	1	0	62	0	29	125			

Adipsoe Module	strain	Expression patterns							pattern	interpretation
		6	11	12	15	10	9	7		
turquoise	B6	15	34	1	837	2	5	22	6	obesity only
	BTBR	2	102	0	630	162	4	3	11	obesity and age when obese
midnightblue	B6	0	3	0	98	1	3	15	12	obesity and age when lean
	BTBR	0	14	0	74	18	10	4	15	all different
grey60	B6	0	3	0	64	6	0	27	10	age and obesity at 4 wk
	BTBR	0	4	0	60	34	2	0	9	age and obesity at 10 wk
tan	B6	0	2	0	94	2	4	39	7	age only
	BTBR	0	6	0	126	8	1	0		
yellow	B6	59	43	9	170	0	0	0		
	BTBR	25	90	0	165	1	0	0		
lightgreen	B6	1	0	0	95	0	0	0		
	BTBR	1	1	0	94	0	0	0		
lightcyan	B6	22	2	4	85	0	0	0		
	BTBR	0	0	0	112	1	0	0		
salmon	B6	0	4	0	110	1	2	6		
	BTBR	0	10	0	96	1	16	1		
cyan	B6	0	1	0	112	1	7	3		
	BTBR	0	2	0	80	0	42	0		
blue	B6	68	88	3	455	1	18	2		
	BTBR	15	163	0	413	0	32	0		
brown	B6	1	187	0	212	0	22	0		
	BTBR	0	360	0	55	0	0	0		
black	B6	79	105	1	38	0	0	0		
	BTBR	16	157	0	50	0	0	0		
lightyellow	B6	61	0	0	2	0	0	0		
	BTBR	50	3	0	10	0	0	0		
magenta	B6	112	1	6	36	0	0	0		
	BTBR	25	8	0	120	0	0	0		
red	B6	215	43	2	6	0	0	0		
	BTBR	34	153	0	67	2	0	0		
purple	B6	93	34	3	24	0	0	0		
	BTBR	60	27	0	67	0	0	0		
pink	B6	172	6	3	12	0	0	0		
	BTBR	145	24	1	23	0	0	0		
green	B6	234	27	7	4	0	0	0		
	BTBR	188	55	0	29	0	0	0		
greenyellow	B6	140	1	0	1	0	0	0		
	BTBR	81	23	0	26	0	0	0		

Liver	Expression patterns								pattern	interpretation
	Module	strain	6	11	12	15	10	9		
red	B6	0	0	0	129	0	1	197	6	obesity only
	BTBR	1	0	10	193	0	104	18	11	obesity and age when obese
turquoise	B6	84	2	25	708	0	13	459	12	obesity and age when lean
	BTBR	39	11	1057	150	0	22	1	15	all different
lightcyan	B6	0	0	1	23	0	4	60	10	age and obesity at 4 wk
	BTBR	1	0	3	33	2	12	37	9	age and obesity at 10 wk
midnightblue	B6	0	0	0	11	0	1	100	7	age only
	BTBR	0	0	6	41	0	11	54		
lightyellow	B6	0	0	3	58	0	0	3		
	BTBR	0	0	1	58	0	5	0		
greenyellow	B6	0	0	0	149	0	4	4		
	BTBR	0	3	5	107	1	37	4		
pink	B6	63	13	4	127	0	1	16		
	BTBR	6	10	9	193	0	6	0		
purple	B6	3	3	0	147	0	0	11		
	BTBR	0	0	5	159	0	0	0		
black	B6	11	26	3	184	0	1	0		
	BTBR	1	61	0	157	0	4	0		
grey60	B6	1	49	0	19	0	1	0		
	BTBR	19	19	11	22	0	4	0		
cyan	B6	75	0	19	18	0	0	0		
	BTBR	39	17	36	20	0	1	0		
green	B6	271	7	26	55	0	0	0		
	BTBR	109	111	38	93	0	10	0		
yellow	B6	198	7	31	141	0	0	0		
	BTBR	83	127	105	54	0	8	0		
blue	B6	631	13	12	46	0	0	0		
	BTBR	351	204	71	65	0	11	0		
salmon	B6	35	70	0	24	0	0	0		
	BTBR	8	104	0	18	0	0	0		
tan	B6	135	2	1	10	0	0	0		
	BTBR	68	38	12	24	0	6	0		
brown	B6	545	8	68	43	0	0	0		
	BTBR	235	247	54	116	0	12	0		
magenta	B6	175	0	0	0	0	0	0		
	BTBR	96	8	44	26	0	1	0		
lightgreen	B6	65	0	1	0	0	0	0		
	BTBR	41	8	5	12	0	0	0		

Gastrocnemius		Expression patterns								pattern	interpretation
Module	strain	6	11	12	15	10	9	7			
salmon	B6	23	1	6	118	1	0	6	6	obesity only	
	BTBR	0	16	0	130	0	9	0	11	obesity and age when obese	
grey60	B6	0	0	1	86	37	0	9	12	obesity and age when lean	
	BTBR	1	0	0	128	0	4	0	15	all different	
lightgreen	B6	0	0	9	84	0	13	0	10	age and obesity at 4 wk	
	BTBR	0	1	8	88	0	10	0	9	age and obesity at 10 wk	
purple	B6	1	0	0	167	4	2	30	7	age only	
	BTBR	21	2	2	137	0	32	8			
turquoise	B6	0	0	0	382	106	6	52			
	BTBR	10	0	0	483	0	46	6			
tan	B6	0	0	0	49	3	87	34			
	BTBR	0	0	0	55	0	106	10			
greenyellow	B6	0	0	0	9	8	1	175			
	BTBR	0	0	0	0	0	1	192			
green	B6	0	0	0	6	6	1	275			
	BTBR	0	0	0	1	0	1	286			
yellow	B6	0	0	0	12	62	1	293			
	BTBR	0	0	0	0	0	11	357			
magenta	B6	0	0	0	11	7	0	204			
	BTBR	0	0	0	0	0	0	222			
brown	B6	0	0	0	20	14	0	467			
	BTBR	0	0	0	0	0	2	499			
cyan	B6	0	0	1	25	117	0	5			
	BTBR	0	0	0	104	1	0	48			
black	B6	0	0	0	83	114	1	55			
	BTBR	0	0	0	144	2	50	58			
red	B6	0	0	0	25	104	2	126			
	BTBR	0	0	0	11	0	4	242			
lightcyan	B6	0	0	0	38	18	15	73			
	BTBR	0	0	0	29	1	22	92			
midnightblue	B6	0	0	0	17	2	20	107			
	BTBR	0	0	0	6	1	12	127			
blue	B6	0	0	0	159	19	69	260			
	BTBR	0	0	0	22	0	79	406			
lightyellow	B6	0	0	0	32	0	47	27			
	BTBR	0	0	0	4	0	17	85			
pink	B6	0	0	0	87	11	65	63			
	BTBR	0	0	0	5	5	6	210			

Hypothalamus		Expression patterns								pattern	interpretation
Module	strain	6	11	12	15	10	9	7			
red	B6	0	0	0	11	90	0	0	6	obesity only	
	BTBR	0	0	0	100	0	0	0	11	obesity and age when obese	
pink	B6	0	0	0	6	64	0	0	12	obesity and age when lean	
	BTBR	0	0	0	31	0	0	0	15	all different	
green	B6	1	0	3	94	23	0	0	10	age and obesity at 4 wk	
	BTBR	5	17	0	60	0	20	0	9	age and obesity at 10 wk	
black	B6	3	0	0	70	12	0	0	7	age only	
	BTBR	0	29	0	23	0	7	0			
purple	B6	0	0	0	9	24	1	10			
	BTBR	0	0	0	15	0	29	1			
blue	B6	0	0	0	47	180	1	9			
	BTBR	0	1	0	80	0	109	4			
yellow	B6	0	0	0	21	169	0	8			
	BTBR	0	0	0	110	5	28	6			
brown	B6	0	0	0	23	146	0	44			
	BTBR	0	1	0	68	0	102	29			
turquoise	B6	0	0	0	10	121	0	208			
	BTBR	0	0	0	59	5	105	170			
magenta	B6	0	0	0	12	20	0	16			
	BTBR	0	0	0	6	0	38	2			