

Table S1. Expressed gene products during early phases in *B. leachi* WBR that belong to cell communication and signaling and the top homologous match for each sequence as revealed by Blast analysis.

Seq. No	Genebank Accession No	SwissProt Homologue ID	Gene identity	Organism	E-value	No of hits
1	EW713271	Q1MTB1_BRARE	milk fat globule-EGF factor 8 protein	<i>D. rerio</i>	5e-24	11
2	EW713277	Q7TQ50_MOUSE	Transmembrane receptor Notch1	<i>M. musculus</i>	4e-09	8
3	EW713273	Q6VEJ7_OREMO	Receptor for activated PKC	<i>O. mossambicus</i>	3e-77	7
4	EW713274	SOMA_SPAAU	Somatotropin precursor	<i>S. aurata</i>	1e-102	6
5	EW713272	Q1RL58_CIOIN	Zinc finger protein	<i>C. intestinalis</i>	2e-09	3
6	EW713275	Q28GN8_XENTR	BAX inhibitor 1	<i>X. tropicalis</i>	2e-48	3
7	EW713276	Q5R2J6_TRISI	Zinc finger containing transactivation factor Sp5	<i>T. sinensis</i>	1e-09	2
8	EW713270	Q5RHV3_BRARE	vertebrate dual-specificity tyrosine-(Y)-phosphorylation regulated kinase	<i>D. rerio</i>	8e-31	2
9	EW713278	1433F_RAT	14-3-3 protein eta	<i>R. norvegicus</i>	1e-31	2
10	EW713279	Q1RL58_CIOIN	Zinc finger protein	<i>C. intestinalis</i>	1e-60	1
11	EW713280	Q54KX0_DICDI	GATA-binding transcription factor	<i>D. discoideum</i>	5e-30	1
12	EW713281	O74649_CRYNE	Rho1 GTPase	<i>C. neoformans</i>	2e-07	1
13	EW713282	Q5PQK8_RAT	Transforming growth factor beta regulated gene	<i>R. norvegicus</i>	3e-12	1
14	EW713283	Q6T388_FUCDI	Rho family GTPase	<i>F. distichus</i>	1e-16	1
15	EW713284	Q1RL34_CIOIN	Zinc finger protein	<i>C. intestinalis</i>	1e-09	1
16	EW713285	IMB1_RAT	Importin beta-1 subunit	<i>R. norvegicus</i>	4e-11	1
17	EW713286	Q8WUW5_HUMAN	PRMT1 protein	<i>H. sapiens</i>	1e-62	1
18	EW713287	Q5CZY5_MOUSE	Cnot2 protein	<i>M. musculus</i>	4e-46	1
19	EW713288	GPR89_BOVIN	Protein GPR89A	<i>B. taurus</i>	2e-30	1
20	EW713289	MKNK2_XENTR	MAPK-interacting serine/threonine-protein kinase 2	<i>X. tropicalis</i>	2e-36	1
21	EW713290	DNJA3_MOUSE	DnaJ protein Tid-1	<i>M. musculus</i>	1e-29	1
22	EW713291	Q659T9_CIOIN	Putative serine protease 7	<i>C. intestinalis</i>	1e-11	1
23	EW713292	Q5VNG7_ORYSA	Putative DsPTP1 protein	<i>O. sativa</i>	4e-20	1
24	EW713293	RDH14_HUMAN	Retinol dehydrogenase 14	<i>H. sapiens</i>	0.069	1
25	EW713294	Q91YS9_MOUSE	Eph receptor B3	<i>M. musculus</i>	1e-07	1
26	EW713295	Q5MD60_HUMAN	Mitogen-activated protein kinase kinase kinase 4 isoform	<i>H. sapiens</i>	1e-44	1
27	EW713296	CREL1_MOUSE	Cysteine-rich with EGF-like domain protein 1 precursor	<i>M. musculus</i>	1e-07	1
28	EW713297	Q86KZ2_DICDI	TFIIH	<i>D. discoideum</i>	6e-27	1
29	EW713298	Q2M1L3_HUMAN	G protein-coupled receptor 133	<i>H. sapiens</i>	3e-10	1
30	EW713299	Q2KIV3_BOVIN	Similar to zinc responsive protein ZD7	<i>B. taurus</i>	3e-12	1
31	EW713300	Q6P0P0_HUMAN	Methyl-CpG binding domain protein	<i>H. sapiens</i>	4e-10	1
32	EW713301	Q7ZWC1_BRARE	Integrin beta 4 binding protein	<i>D. rerio</i>	6e-38	1
33	EW713302	Q9Y1V3_POLMI	Tunicate retinoic acid-inducible protease	<i>P. misakiensis</i>	1e-38	1
34	EW713303	AKT1_BOVIN	RAC-alpha serine/threonine-protein kinase	<i>B. taurus</i>	1e-13	1

35	EW713304	Q1RPV5_CIOIN	Zinc finger protein	<i>C. intestinalis</i>	5e-28	1
36	EW713305	Q4H3E0_CIOIN	Transcription factor protein	<i>C. intestinalis</i>	1e-37	1
37	EW713306	Q8N5U6_HUMAN	Ring finger protein 10	<i>H. sapiens</i>	2e-27	1
38	EW713307	Q8AWF9_BUFBG	Zinc finger protein Yan	<i>B. gargarizans</i>	6e-12	1
39	EW713308	Q4H2R0_CIOIN	Ci-STAT-b protein	<i>C. intestinalis</i>	1e-79	1
40	EW713309	Q9BYI2_HUMAN	G kinase anchoring protein 1	<i>H. sapiens</i>	1e-04	1
41	EW713310	Q6Y9Q3_BRAFL	TATA-binding protein isoform 2	<i>B. floridae</i>	2e-29	1
42	EW713311	Q25058_HELER	Fibropellin Ia	<i>H. erythrogramma</i>	3e-22	1
43	EW713312	Q86SC9_CIOIN	IQ motif containing GTPase activating protein	<i>C. intestinalis</i>	3e-28	1
44	EW713313	Q86SC9_CIOIN	IQ motif containing GTPase activating protein	<i>C. intestinalis</i>	6e-13	1
45	EW713314	RBCC1_MOUSE	RB1-inducible coiled-coil protein	<i>M. musculus</i>	8e-11	1
46	EW713315	Q5CZT6_BRARE	Zgc:113125	<i>D. rerio</i>	1e-27	1
47	EW713316	Q3TNK3_MOUSE	glutathione peroxidase 7	<i>M. musculus</i>	2e-13	1
48	EW713317	WDR48_MOUSE	WD repeat protein 48	<i>M. musculus</i>	1e-06	1
49	EW713318	Q1RLC8_CIOIN	Zinc finger protein	<i>C. intestinalis</i>	2e-12	1
50	EW713319	Q1RLF8_CIOIN	Zinc finger protein	<i>C. intestinalis</i>	6e-04	1
51	EW713320	Q800Y7_MELGA	Hepatocyte growth factor activator	<i>M. gallopavo</i>	5e-17	1
52	EW713321	Q63274_RAT	Kallikrein	<i>R. norvegicus</i>	3e-10	1
53	EW713322	Q6UKZ2_MOUSE	Serp1b3b	<i>M. musculus</i>	3e-05	1
54	EW713323	HTK16_HYDAT	Tyrosine-protein kinase HTK16	<i>H. attenuata</i>	7e-24	1
55	EW713324	Q4H323_CIOIN	Transcription factor protein	<i>C. intestinalis</i>	2e-08	1
56	EW713325	TRIB2_HUMAN	Tribbles homolog 2 (TRB-2)	<i>H. sapiens</i>	2e-22	1
57	EW713326	Q9U6N1_MUSDO	Cytochrome P450	<i>M. domestica</i>	2e-07	1
58	EW713327	Q1WDE8_PINPS	Rab1	<i>P. pinaster</i>	6e-09	1
59	EW713328	Q2TBV5_BOVIN	TFIIH	<i>B. taurus</i>	5e-25	1
60	EW713329	Q6J1M0_XENLA	Rap 1A2 GTPase	<i>X. laevis</i>	4e-16	1
61	EW713330	Q17B38_AEDAE	Ins13/relaxin receptor	<i>A. aegypti</i>	6e-09	1
62	EW713331	SPI1_PIG	Transcription factor PU.1	<i>S. scrofa</i>	1e-09	1
63	EW713332	ALDH9_POLMI	Aldehyde dehydrogenase 9	<i>P. misakiensis</i>	1e-46	1
64	EW713333	HMCN1_HUMAN	Hemicentin-1 precursor (Fibulin-6)	<i>H. sapiens</i>	1e-16	1
65	EW713334	RAB33_CIOIN	Ras-related protein Rab-33	<i>C. intestinalis</i>	9e-59	1
66	EW713335	Q6WMS9_BRABE	Interferon gamma-inducible protein	<i>D. rerio</i>	2e-29	1
67	EW713336	Q7ZYY5_GASAC	Signal peptidase 25 kDa subunit	<i>G. aculeatus</i>	8e-29	1
68	EW713337	TIMP2_CAVPO	Tissue inhibitor of metalloproteinases	<i>C. porcellus</i>	7e-07	1
69	EW713338	Q8R9K4_THETN	Putative translation initiation inhibitor	<i>T. tengcongensis</i>	1e-16	1
70	EW713339	SLIT3_HUMAN	Slit homolog 3 protein precursor	<i>H. sapiens</i>	9e-11	1
71	EW713340	Q91WU4_MOUSE	Transmembrane and coiled-coil domains 4	<i>M. musculus</i>	1e-24	1
72	EW713341	Q5PP79_9ALPH	Secreted glycoprotein gG precursor	<i>S. herpesvirus</i>	4e-04	1
73	EW713342	WIPI4_BRARE	WIPI-4	<i>D. rerio</i>	1e-23	1
74	EW713343	Q2DQL6_9DELT	ATP-NAD kinase	<i>G. uraniumreducens</i>	3e-21	1
75	EW713344	Q8AXP0_CYNPY	Receptor protein Notch1	<i>C. pyrrhogaster</i>	6e-22	1
76	EW713269	Q9H9M5_HUMAN	thyroid hormone receptor-associated protein	<i>H. sapiens</i>	1e-16	1