

Supplemental Table 4. Summary Statistics of WT1 ChIP-chip Peaks and Motif Discovery.

Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
5830427D03Rik	1	36.62	chr15	98592408	98593528	-577	< 0.001	98593647; 98592930; 98593212; 98593644; 98593643	yes
Myo1b	2	27.21	chr1	51972665	51972038	108	< 0.001	51973701; 51973701	yes
Bcat2	3	26.35	chr7	52823332	52824317	-2074	< 0.001	52823919; 52824027	yes
Hey1	4	25.11	chr4	122910233	122911555	372	< 0.001	122911152	yes
Lsp1	5	24.46	chr7	149656912	149657945	-193	< 0.001	149657266; 149657864	no
Egr3	6	24.39	chr14	70474926	70476048	-2009	< 0.001	70475097; 70475640; 70475464; 70475222; 70475464	yes
Actn1	7	23.89	chr12	81360886	81361985	-193	< 0.001	81362068; 81362068; 81361341; 81362255; 81361544; 81361543	yes
Pik3r3	8	22.67	chr4	115893800	115894714	-430	< 0.001	115894389; 115894389	yes
Cxhc5	9	20.95	chr18	35989256	35990465	751	< 0.001	35990579; 35989513; 35989513; 35990468; 35990107; 35990106	yes
Hoxb4	10	20.76	chr11	96180066	96181209	470	< 0.001	96180512; 96180515	yes
Mrc2	11	20.46	chr11	105153418	105154743	-257	< 0.001	105154027; 105154710; 105154049; 105154049	yes
4933433P14Rik	12	20.38	chr12	106923623	106923883	85	< 0.001	N/A	no
Senp8	13	19.7	chr9	59598324	59599247	-473	< 0.001	59598660; 59598660; 59598883; 59598837; 59598837	yes
Nab2	14	19.58	chr10	127103344	127103263	241	< 0.001	127104787; 127105095; 127106973; 127104790	yes
Fyn	15	18.7	chr10	39089847	39090342	708	< 0.001	39090432; 39090251	yes
BC068171	16	18.31	chrX	72341212	72341415	-20	< 0.001	N/A	no
Igf2bp2	17	17.7	chr16	22162849	22163052	342	< 0.001	22161983; 22162833; 22162772	no
Fosl2	18	17.63	chr5	32437957	32439313	-695	< 0.001	32438608; 32438486; 32438611; 32438605; 32438304; 32438965; 32438307	yes
Bhlhb2	19	17.53	chr6	108609800	108610667	-550	< 0.001	108610225; 108610225	yes
Bri3	20	17.49	chr5	145016519	145017300	620	< 0.001	145016552	yes
Bnip3	21	16.97	chr7	146100844	146101883	-315	< 0.001	146101475; 146101211; 146101210	yes
Fbxl19	22	16.67	chr7	134889599	134891192	350	< 0.001	134890215	yes
Hoxd4	23	16.56	chr2	74565721	74566423	6012	< 0.001	74565827	yes
Colla2	24	16.52	chr6	4454897	4456114	-200	< 0.001	4455761	yes
Wnk4	25	16.21	chr11	101120919	101122031	-436	< 0.001	101120978; 101121644; 101120674; 101120976; 101121355; 101121524; 101121842; 101120975; 101121587	no
Usp52	26	15.79	chr10	127740614	127740859	116	< 0.001	127740414	no
Inoc1	27	15.77	chr2	119303230	119303805	-77	< 0.001	119303668; 119303671	yes
Sept11	28	15.71	chr5	93522393	93523191	418	< 0.001	N/A	yes
Mink1	29	15.61	chr11	70376350	70377567	440	< 0.001	N/A	no
Sox11	30	15.48	chr12	28027842	28028642	-657	< 0.001	28028275	no
Sp4	31	15.45	chr12	119539184	119541019	112	< 0.001	119539611; 119540679; 119540773; 119540645; 119540665	no
Shf	32	15.19	chr2	122194023	122194739	90	< 0.001	122194677; 122194884; 122194677; 122194887	yes
Scx	33	14.68	chr15	76287234	76288113	-86	< 0.001	76288613; 76288613; 76287512; 76287515	yes
Ahdcl	34	14.51	chr4	132568703	132569015	1461	< 0.001	132568981; 132568981	yes
Ube2h	35	14.38	chr6	30253511	30254074	293	< 0.001	30253511	no
Sox12	36	14.37	chr2	152222057	152222715	1272	< 0.001	152222524; 152222497	yes
Usp14	37	14.26	chr18	10029315	10030485	81	< 0.001	10030089; 10029954	yes

First tier peaks of all 1663 WT1 target genes identified by ChIP-chip. Genes are ranked by fold-enrichment scores on array, and locations of defined peak regions are noted. Negative values indicate locations upstream (5') of the TSS. The motif discovery algorithm THEME identified a WT1 matrix site (tGCGtgGGcGg) in 1432 of the 1663 (86%) WT1 bound genes, consisting of multiple permutations of a core WT1 consensus site G¹C²G³(T/G)⁴(G/A)⁵G⁶G⁷(C/A)⁸G⁹(G/T)¹⁰. The WT1 consensus site was mapped to defined peak regions, with defined nucleotide substitutions permitted at the 4th, 5th, 8th or 10th positions (substitutions noted in parentheses). The WT1 consensus site is present in 806 of 1663 bound genes, and occurs with higher frequency in target genes enriched >8-fold (74% vs. 25% in genes enriched < 8-fold; *P* < 0.0001 by Fisher's Exact Test). Where present, WT1 matrix and consensus site locations are noted. For WT1 matrix sites with low information content that lack an exact location assignment by THEME, the start site of the WT1 bound region is noted. (TSS) transcriptional start site. (N/A) not applicable (No WT1 site present).

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Sema6d	38	14.11	chr2	124435389	124436346	-248	< 0.001	124436315; 124436315; 124436315	yes
Stac2	39	14.06	chr11	97913236	97915103	160	< 0.001	97915000; 97914120	yes
Cnot6l	40	13.88	chr5	96590372	96591557	-522	< 0.001	96590916	yes
Jmjd1a	41	13.77	chr6	71582467	71583694	-579	< 0.001	71583591; 71582884; 71583611	yes
Zfp467	42	13.72	chr6	48394253	48395520	331	< 0.001	48396035	yes
Brd2	43	13.32	chr17	34256834	34258910	-818	< 0.001	34257458; 34258484	yes
Bahd1	44	13.31	chr2	118726325	118728298	-160	< 0.001	118727825; 118727828	yes
Ptbp1	45	13.19	chr10	79316946	79317577	43	< 0.001	79317619	yes
Dpy19l3	46	13.14	chr7	36538396	36539526	239	< 0.001	36539287; 36539397; 36539397	yes
Acp6	47	13.11	chr3	96962277	96963022	-77	< 0.001	96962533; 96962535; 96962537; 96962542	no
Wsb2	48	13.04	chr5	117806468	117807570	-333	< 0.001	117807396; 117807370; 117807376; 117807343	no
Bmp7	49	12.87	chr2	172765859	172766638	-204	< 0.001	172766291; 172766291	yes
Appbp2	50	12.79	chr11	85047380	85048397	443	< 0.001	85048523; 85048522	yes
Arhgap18	50	12.79	chr10	26492774	26493171	483	< 0.001	26492693; 26492707; 26492699	no
Gprk6	51	12.78	chr13	55545945	55546477	-558	< 0.001	55546261; 55546261	yes
Pbx2	51	12.78	chr17	34729336	34730271	252	< 0.001	34730406; 34731021; 34730103; 34730157; 34731018; 34730165	no
Pum1	52	12.76	chr4	130219949	130220420	849	< 0.001	130219924	no
Gsr	53	12.71	chr8	34764109	34764626	895	< 0.001	34764236; 34764661	yes
Des	54	12.58	chr1	75356252	75356917	-24	< 0.001	75356961	yes
Inpp1	55	12.56	chr7	108985748	108986865	-237	< 0.001	108986829	yes
Lin7b	56	12.54	chr7	52625127	52625872	270	< 0.001	52625959; 52625959	yes
5730403B10Rik	57	12.53	chr16	4789289	4790148	308	< 0.001	4790129	yes
Prkaca	58	12.45	chr8	86496400	86497549	16	< 0.001	86497063; 86497098; 86497190; 86497189	yes
Cmtm3	59	12.42	chr8	106864070	106864572	-233	< 0.001	106864105	yes
Rest	60	12.04	chr5	77694648	77695784	-1927	< 0.001	77695132; 77695493	yes
PPP3ca	61	12.03	chr3	136332931	136335004	577	< 0.001	136334688; 136333234; 136334124; 136333263; 136333263; 136333799; 136333799	yes
Rsbnl	62	12.02	chr3	103718356	103718928	548	< 0.001	103718866; 103719000; 103718999	yes
Baiap2	63	12.01	chr11	119803386	119804456	-595	< 0.001	119804520; 119804253; 119804483; 119803798; 119804329	yes
DbnDD2	64	11.99	chr2	164311170	164312528	-4	< 0.001	164311983; 164312479; 164312326; 164312458; 164312457	yes
Tesk1	65	11.98	chr4	43455694	43456310	1048	< 0.001	43456346	yes
Zfr	66	11.96	chr15	12047157	12047853	-195	< 0.001	12047523	yes
Hsp90ab1	67	11.94	chr17	45709579	45711348	-996	< 0.001	45709822; 45709825	yes
Rps6ka3	68	11.9	chrX	155692701	155693348	-955	< 0.001	155693772; 155692856; 155693292; 155693129	yes
Kif23	69	11.89	chr9	61793888	61794454	242	< 0.001	61793888	no
Ets2	70	11.82	chr16	95923399	95924410	-8	< 0.001	95924137; 95924137; 95924164; 95924163	yes
Tgif2	71	11.8	chr2	156666586	156667634	1383	< 0.001	156666842	yes
Phf10	72	11.77	chr17	15098705	15098858	-599	< 0.001	15098831; 15098830	yes
Cacnb1	73	11.7	chr11	97882896	97883825	232	< 0.001	97883162; 97883162; 97883613	yes
Rcor3	74	11.66	chr1	193961353	193960970	601	< 0.001	193962221; 193962221	yes
5830457O10Rik	75	11.55	chr8	109416395	109417174	615	< 0.001	N/A	no
Hhat	76	11.41	chr1	194596974	194596864	219	< 0.001	194597040; 194597053; 194597440; 194597095; 194596777; 194597089	no
Sh3md4	77	11.39	chr10	58275327	58275609	-356	< 0.001	58275643; 58276268; 58275949; 58275949	yes
Zyx	78	11.38	chr6	42299668	42300772	388	< 0.001	42300012	yes
Ascl1	79	11.33	chr10	86955966	86955851	417	< 0.001	86956209	yes
Vdac1	80	11.31	chr11	52174874	52175056	418	< 0.001	N/A	no
1110003E01Rik	81	11.3	chr5	65884068	65885002	-326	< 0.001	65885161	yes
Zmiz1	82	11.29	chr14	26277135	26278605	-777	< 0.001	26277987	yes

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Nbl1	83	11.23	chr4	138648061	138649348	-63	< 0.001	138649106	yes
6530418L21Rik	84	11.11	chr3	105507676	105508702	798	< 0.001	105507809, 105507810, 105507816, 105507811, 105507813, 105507814, 105507808, 105507812	no
C230071H18Rik	85	11.04	chr2	93028000	93028502	524	< 0.001	93028345, 93027681	no
Cxxc4	86	10.92	chr3	133902077	133903838	128	< 0.001	133903139; 133903593; 133903151; 133903151; 133903218; 133903217	yes
Sfrs2ip	87	10.91	chr15	96291693	96291959	-444	< 0.001	96292004; 96292004	yes
Pddc1	87	10.91	chr7	148600090	148600810	-276	< 0.001	148600384; 148600384; 148600429; 148600423; 148600423	yes
Arnt2	88	10.9	chr7	91557697	91558276	457	< 0.001	91558033	yes
Dcun1d4	89	10.87	chr5	73882401	73883320	458	< 0.001	73883068; 73883015	yes
Ccdc92	90	10.75	chr5	125343114	125343539	298	< 0.001	125343552	yes
Erb2	90	10.75	chr11	98273670	98274011	15	< 0.001	98273969; 98273969	yes
Gabbr1	91	10.73	chr17	37183107	37183956	358	< 0.001	37183689; 37183692; 37183701; 37183700	yes
BC003212	92	10.71	chr13	12742905	13486616	-499	< 0.001	12743194	yes
Smad7	92	10.71	chr18	75527141	75527426	268	< 0.001	75527174; 75527174; 75527165; 75527165	yes
Raver2	93	10.65	chr4	100741661	100742219	246	< 0.001	100741842; 100741981; 100741801	yes
Slc22a17	94	10.6	chr14	55531699	55531891	193	< 0.001	55531950; 55531801	yes
Hivep2	95	10.56	chr10	13685196	13685488	-964	< 0.001	13686651, 13685409	no
5730596B20Rik	96	10.42	chr6	52125537	52127316	24965	< 0.001	52126090	yes
Rchyl	97	10.32	chr5	92391414	92391833	438	< 0.001	92391765	no
Rai1	98	10.3	chr11	59952824	59953328	-452	< 0.001	59953263; 59953266; 59953740; 59953739	yes
Tmeff2	98	10.3	chr1	50984184	50984380	-160	< 0.001	50984184	no
Usp16	99	10.29	chr16	87454857	87455227	-245	< 0.001	87455363; 87455363	yes
Pbx1	100	10.27	chr1	170361694	170362190	341	< 0.001	170361694	no
Myst2	101	10.15	chr11	95170829	95171238	551	< 0.001	95171220; 95171223	yes
Cend2	102	10.04	chr6	127099244	127101942	1356	< 0.001	127099980; 127100682; 127099983	yes
Plxdc2	103	10.03	chr2	16277188	16278086	-56	< 0.001	16278148; 16277617; 16278165	yes
Ap2a1	103	10.03	chr7	52184691	52185225	-118	< 0.001	52184691	no
Rasa4	104	10.02	chr5	136559747	136560117	139	< 0.001	136559992; 136559995	yes
BC059215	105	9.94	chr17	47277983	47278910	116	< 0.001	N/A	no
Man2a1	106	9.87	chr17	64950234	64950602	-560	< 0.001	64950718	yes
Foxl1	106	9.87	chr8	123648556	123649438	-2388	< 0.001	123649348	yes
Lrrn1	107	9.86	chr6	107479763	107480926	648	< 0.001	107479763	no
B630005N14Rik	108	9.84	chr6	13627674	13628513	270	< 0.001	13628358	yes
Fytd1	109	9.76	chr16	32878034	32878352	133	< 0.001	32877821, 32877910, 32878180, 32877780, 32878115, 32878018, 32878202	no
Csnk1g3	110	9.74	chr18	54022582	54022800	838	< 0.001	54022596	yes
Ilf3	111	9.72	chr9	21172241	21172558	90	< 0.001	21172495; 21172430	yes
Plxnb1	112	9.69	chr9	108998328	109000281	1362	< 0.001	108998582	yes
Smarca2	112	9.69	chr19	26680712	26682169	2215	< 0.001	26679073, 26679022, 26678971, 26681656, 26681787, 26681925, 26682057	no
Ankrd40	113	9.62	chr11	94189669	94189906	378	< 0.001	94189711, 94189254, 94189257, 94189263, 94189509, 94189506, 94189503, 94189349, 94189434, 94189500	no
Fchsd2	114	9.61	chr7	108256250	108257904	-828	< 0.001	108256802	yes
Rcctb1	115	9.57	chr14	59820301	59820521	427	< 0.001	59820595	yes
Fndc3b	116	9.49	chr3	27609260	27609777	-286	< 0.001	27609684; 27609684; 27609925; 27609523	yes
Mettl6	117	9.47	chr14		32308161	281	< 0.001	32307568	no
Ikzf2	118	9.46	chr1	69733419	69734675	-1572	< 0.001	69733995; 69734001; 69735431; 69734004; 69733998; 69735515; 69735514	yes
Col5a1	118	9.46	chr2	27741525	27742110	12	< 0.001	27741781, 27741766, 27742651	no
Phc1	119	9.42	chr6	122289333	122289557	-2501	< 0.001	122289333	no
R3hdm1	120	9.41	chr1	129999944	129999989	84	< 0.001	130000277	yes

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Ctdsp1	121	9.39	chr1	74433760	74433573	-4622	< 0.001	74433951; 74433951; 74434160; 74434159	yes
Mov10	122	9.37	chr3	104620940	104621781	58	< 0.001	104621573; 104621573	yes
Nptn	123	9.35	chr9	58430073	58430923	540	< 0.001	58430561	yes
Pax2	124	9.26	chr19	44827636	44828304	-3729	< 0.001	44827776	yes
Sall1	124	9.26	chr8	91566663	91567411	1027	< 0.001	91567004	yes
Rasa3	125	9.22	chr8	13677055	13677438	285	< 0.001	13677467; 13677470	yes
Phf13	126	9.2	chr4	151369706	151370644	-76	< 0.001	151370743; 151370707; 151370707	yes
Cyp1b1	126	9.2	chr17	80114849	80115239	-835	< 0.001	80114849	no
Axl	127	9.17	chr7	26573402	26573844	28	< 0.001	26573867; 26573866	yes
Ptpn1	128	9.14	chr2	167757840	167758157	190	< 0.001	167757955; 167757958	yes
Rreb1	128	9.14	chr13	37917589	37918943	-667	< 0.001	37918828; 37917980; 37918874; 37918740	no
Adams4	129	9.09	chr1	173182266	173182130	1046	< 0.001	173182977	yes
Ncor2	129	9.09	chr5	125657427	125658737	1494	< 0.001	125658370	yes
Mbnl1	130	9.07	chr3	60304663	60305295	-342	< 0.001	60305317; 60304840	yes
Axud1	131	9.06	chr9	119891975	119893510	1588	< 0.001	119892377	no
H2afy2	132	9.05	chr10	61246217	61246375	264	< 0.001	61246373	yes
Lamb1-1	132	9.05	chr12	31949458	31950365	-168	< 0.001	31950280; 31950283	yes
Rabepk	133	9	chr2	34654951	34655339	332	< 0.001	34655273; 34655210	no
Bcor	134	8.98	chrX	11656755	11657894	-126	< 0.001	11657334; 11657007	yes
Txndc5	135	8.92	chr13	38619884	38620663	217	< 0.001	38621034	yes
Pim1	135	8.92	chr17	29626926	29627499	-710	< 0.001	29627513	yes
Zbtb7b	136	8.91	chr3	89197680	89198515	-781	< 0.001	89198233; 89197688	yes
Btbd14a	137	8.85	chr2	25978262	25978853	-127	< 0.001	25978539; 25978539; 25978552	yes
Pygl	138	8.82	chr12	71328236	71328664	120	< 0.001	71328502; 71328217	no
Jun	139	8.81	chr4	94719458	94719864	-927	< 0.001	94719486; 94719737; 94719354	no
Bmp4	140	8.8	chr14	47007581	47008501	2006	< 0.001	47008524	yes
Optc	141	8.78	chr1	135805382	135805545	-1656	< 0.001	135805727	yes
2900024O10Rik	142	8.72	chr13	81850151	81850611	-61	< 0.001	81850005; 81850138	no
Smad4	143	8.7	chr18	73863445	73863699	-73	< 0.001	73863698	yes
B4galt6	144	8.68	chr18	20904571	20904918	151	< 0.001	20904869; 20904872	yes
1500005I02Rik	145	8.66	chr11	114656676	114656676	554	< 0.001	114656453	no
Ywhae	146	8.61	chr11	75546761	75547071	608	< 0.001	75547083	yes
Gspt1	147	8.6	chr16	11253984	11254415	-177	< 0.001	11254336	yes
Lman2l	147	8.6	chr1	36501895	36502527	-126	< 0.001	36502522	yes
Tmem159	147	8.6	chr7	127246124	127246953	427	< 0.001	127246298; 127246298	yes
Mnt	148	8.58	chr11	74643609	74645366	-161	< 0.001	74644620; 74644620	yes
Tpbp	149	8.57	chr9	85736976	85737021	982	< 0.001	85737116; 85737116	yes
Cacnb3	150	8.54	chr15	98464455	98465829	-308	< 0.001	98465493; 98465854; 98465267	yes
Tnks	151	8.5	chr8	36028603	36028823	-56	< 0.001	36028819	yes
Susd4	152	8.48	chr1	184694771	184694670	-396	< 0.001	184695025; 184695028; 184695274; 184695424; 184695424; 184695022; 184695021	yes
Zfp469	152	8.48	chr5	143577926	143579946	-350	< 0.001	143579353; 143579352; 143578264; 143578264	yes
Btbd4	153	8.46	chr2	181193137	181193592	539	< 0.001	181194995; 181193502; 181193429	no
Sbsn	154	8.44	chr7	31536379	31536379	-134	< 0.001	31536331	no
EG330503	155	8.42	chr7	30954940	30955201	28	< 0.001	30954913	no
Nid1	156	8.41	chr13	12794476	13531081		< 0.001	12795825; 12794773; 12794772	yes
Setd5	157	8.39	chr6	113026201	113026893	-1084	< 0.001	113026700; 113026703; 113026892	yes
Gldc	158	8.38	chr19	30249302	30250153	18	< 0.001	30250213	yes
Tmeff1	158	8.38	chr4	48597900	48598090	4	< 0.001	48598082	yes
Nvl	159	8.37	chr1	183074196	183074049	70	< 0.001	183074718; 183074721	yes
4-Mar	160	8.36	chr1	72582957	72583150	18	< 0.001		no
Mllt6	161	8.35	chr11	97521073	97521499	-3386	< 0.001	97521227; 97523328; 97523452	no
H2afz	162	8.34	chr3	137526934	137527396	-424	< 0.001	137527359	yes
Irx2	163	8.33	chr13	72766019	72766229	-219	< 0.001	72766283; 72766282	yes

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Kcna3	164	8.31	chr3	106838895	106839378	-161	< 0.001	106839230; 106839230	yes
Asx1l	165	8.28	chr2	153171881	153172301	210	< 0.001	153172392; 153172256; 153172256; 153172177; 153172176	yes
Dlgap3	166	8.26	chr4	126845938	126846210	-4163	< 0.001	126845987	no
Ppp1r1b	167	8.25	chr11	98208997	98209843	-232	< 0.001	98209635; 98209820; 98209820	yes
Slc30a1	168	8.17	chr1	193730596	193730287	-395	< 0.001	193731253	yes
Smad3	169	8.16	chr9	63605810	63606524	-423	< 0.001	63606256; 63606259; 63605922; 63605922; 63606645; 63606645	yes
Tsc22d1	170	8.15	chr14	76814635	76814928	-969	< 0.001	76814914; 76814879; 76814878	yes
Accn4	171	8.14	chr1	75443153	75443341	-3646	< 0.001	75443557; 75443107	no
Ccdc84	172	8.13	chr9	44226003	44226544	-252	< 0.001	44226445; 44226445	yes
Nfic	172	8.13	chr10	80889430	80889644	299	< 0.001	80893958; 80894361; 80889267; 80889719; 80889270; 80892755; 80892761; 80892754	no
Mapk3	173	8.12	chr7	133903418	133903623	301	< 0.001	133903333	no
Slc27a1	173	8.12	chr8	74093979	74094431	1315	< 0.001	74093979	no
Fbn2	174	8.1	chr18	58369269	58370111	-350	< 0.001	58369526; 58370302; 58370312	yes
Zadh2	175	8.09	chr18	84256995	84258079	57	< 0.001	84257589; 84257719	yes
U2af2	176	8.06	chr7	5012758	5013107	-899	< 0.001	N/A	no
Plekhg2	177	8.04	chr7	29156402	29156933	1029	< 0.001	29156988	yes
Vegfa	178	8.03	chr17	46167233	46168306	-5606	< 0.001	46168225; 46167783	yes
Ptger1	179	8.02	chr8	86189997	86190283	-278	< 0.001	86189997	no
2700094K13Rik	180	7.99	chr2	84510644	84510859	29	< 0.001	N/A	no
App	181	7.98	chr16	85173235	85173818	572	< 0.001	85173817; 85173817	yes
Hells	181	7.98	chr19	39005816	39006015	511	< 0.001	39005816	no
Epb4.1	182	7.96	chr4	131629665	131630271	-1994	< 0.001	131630263	yes
Aldoa	183	7.93	chr7	133943224	133943863	-1136	< 0.001	133943468; 133943468	yes
Rnpc3	183	7.93	chr3	113333185	113333562	-148	< 0.001	113333368	yes
Tgif	184	7.91	chr17	71200206	71201412	-308	< 0.001	71200838	yes
Pemt1	185	7.9	chr10	7382946	7382720	80	< 0.001	7383811; 7383019	yes
Rnf138	185	7.9	chr18	21160096	21160677	422	< 0.001	21160322; 21160322	yes
Cdc216	186	7.88	chr10	40069135	40069425	258	< 0.001	40069405; 40069405	yes
Rhpn2	187	7.87	chr7	36119163	36119739	82	< 0.001	36119481	yes
Luc7l2	188	7.83	chr6	38500723	38500911	-630	< 0.001	38500974	yes
Ets1	189	7.82	chr9	32503755	32504044	284	< 0.001	32503825	yes
Tjap1	190	7.81	chr17	46419401	46419835	345	< 0.001	46419674	no
Mmp23	191	7.8	chr4	155025802	155026537	1406	< 0.001	155025898	no
0610009B22Rik	192	7.78	chr11	51502703	51502422	-447	< 0.001	51503177	yes
Vamp8	193	7.77	chr6	72340110	72340334	266	< 0.001	72340349; 72340349	yes
D10Wsu102e	193	7.77	chr10	82822683	82822597	-287	< 0.001	82822683	no
Phf23	193	7.77	chr11	69809155	69810835	416	< 0.001	69810334; 69809935; 69810472; 69810130	no
Efna5	194	7.75	chr17	63231462	63232326	-1122	< 0.001	63231462	no
Kctd15	195	7.74	chr7	35438431	35440530	-1520	< 0.001	35440262	yes
Slmap	195	7.74	chr14	27353929	27354274	-894	< 0.001	27354077; 27354182	no
Mxi1	196	7.72	chr19	53404584	53404914	-43	< 0.001	53404770; 53404818; 53404679	no
Ptpn12	196	7.72	chr5	20561278	20561843	111	< 0.001	20561186; 20561584; 20561807; 20561782; 20561810; 20561574; 20561230	no
Ndfip1	197	7.69	chr18	38579236	38580146	1140	< 0.001	38580088; 38580085; 38580097; 38580096	yes
Ralb	198	7.68	chr1	121401767	121401436	-425	< 0.001	121402452; 121402452	yes
Galnt12	198	7.68	chr4	47104567	47105164	318	< 0.001	47104766; 47104845; 47104875	no
Npas2	199	7.67	chr1	39249994	39250177	-963	< 0.001	39250595	yes
Nab1	200	7.65	chr1	52556594	52556904	322	< 0.001	52557440; 52557615; 52556987	no
Gli1	201	7.64	chr10	126777287	126776612	1651	< 0.001	126778170; 126777074; 126777080; 126777178; 126777250; 126777247; 126777245; 126777248	no
Vps25	201	7.64	chr11	101120454	101120642	5558	< 0.001	101121587; 101120975; 101121524; 101121644; 101120978; 101120976; 101121842; 101120674; 101121355	no
Rmnd5a	202	7.61	chr6	71390726	71390914	-266	< 0.001	71390729; 71390729	yes
Ndrp1	202	7.61	chr15	66799793	66800065	1165	< 0.001	66799793	no
Wwe1	203	7.6	chr11	35793120	35792628	712	< 0.001	35793672	yes

Supplemental Table 4. Summary Statistics of WT1 ChIP-chip Peaks and Motif Discovery.

Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Leng4	204	7.58	chr7	3643858	3644537	967	< 0.001	3644623	yes
Vamp2	204	7.58	chr11	68900583	68900886	-1169	< 0.001	68900798	no
Nck2	205	7.57	chr1	43502704	43502413	-409	< 0.001	43503339; 43503339	yes
Tbc1d1	206	7.56	chr5	64550825	64551602	-79	< 0.001	64551607	yes
Olfml2a	207	7.53	chr2	38789679	38789736	2209	< 0.001	38789679	no
Beam	208	7.52	chr7	20353804	20354810	1223	< 0.001	20354509; 20353976; 20354623; 20353982	no
Sosl	208	7.52	chr17	80878881	80879263	889	< 0.001	80879146; 80879145	yes
Galnt4	209	7.51	chr7	118922646	118923033	481	< 0.001	118922932	yes
Col18a1	210	7.5	chr10	76628604	76628544	463	< 0.001	76628556	no
Itrp1	210	7.5	chr6	108162562	108162806	-309	< 0.001	108163366; 108162909; 108163136; 108162681	no
Ctf1	211	7.49	chr7	134856293	134856487	67	< 0.001	134856215; 134856408; 134856414	no
Tead3	212	7.46	chr17	28487625	28488144	-240	< 0.001	28487896; 28487896	yes
Isoc2b	213	7.45	chr7	4817625	4817883	133	< 0.001	4817792	no
Dach1	214	7.43	chr14	98568757	98569268	-216	< 0.001	98569199; 98568845; 98569204; 98568626	no
Cacna1a	215	7.42	chr8	86939521	86939726	442	< 0.001	86939821; 86939786; 86939786	yes
Eif2b4	215	7.42	chr5	31495305	31495353	129	< 0.001	31495367	yes
Ralgs2	216	7.41	chr1	158869031	158868949	653	< 0.001	158869419; 158869422; 158869421; 158869421	yes
Phgdh	216	7.41	chr3	98143411	98144213	-25	< 0.001	98143956; 98143211; 98143874	no
Ripk5	217	7.39	chr1	134314632	134314935	627	< 0.001	134314896; 134314899	yes
Zcchc3	217	7.39	chr2	152236949	152237169	3617	< 0.001	152236929; 152236817	no
Gtpbp6	218	7.38	chr5	110536372	110537341	-102	< 0.001	110537416; 110537240; 110537243; 110537416; 110537422	yes
Casp2	219	7.37	chr6	42214842	42215834	-171	< 0.001	42215581; 42215050; 42214977	no
Ibrdc2	220	7.31	chr13	47217690	47218180	68	< 0.001	47218253	yes
Klf3	221	7.3	chr5	65194594	65194824	-145	< 0.001	65194750; 65194768; 65194750	yes
Brwd1	222	7.27	chr16	96303286	96303629	559	< 0.001	96303765; 96303745; 96303745; 96303408	yes
Ptk7	223	7.25	chr17	46766682	46767221	-813	< 0.001	46766558; 46766496; 46766875; 46767121; 46766556; 46766555	no
Slco3a1	223	7.25	chr7	81699147	81699940	292	< 0.001	81699147	no
Shox2	224	7.24	chr3	66784590	66785109	797	< 0.001	66784590	no
1110007L15Rik	225	7.22	chr5	139728644	139729211	444	< 0.001	139728886; 139728886	yes
Gphn	225	7.22	chr12	79327206	79327430	-312	< 0.001	79327546	yes
Epas1	226	7.21	chr17	87153105	87154042	653	< 0.001	87153628; 87153627	yes
Lmo4	226	7.21	chr3	143868006	143869153	-554	< 0.001	143868385; 143868382; 143868413; 143868412	yes
Mafb	226	7.21	chr2	160193024	160193430	-468	< 0.001	160193138	yes
D930015E06Rik	227	7.2	chr3	83843095	83843853	739	< 0.001	83842919; 83843198; 83843635; 83843683	no
Sypl2	228	7.19	chr3	108029012	108029751	286	< 0.001	108029389; 108029095	yes
Wipi1	228	7.19	chr11	109471984	109472506	561	< 0.001	109471984	no
Pogz	229	7.18	chr3	94641241	94641757	-370	< 0.001	94641567	yes
Tera	229	7.18	chr6	148894658	148896207	-353	< 0.001	148895419; 148894917	yes
Tmem38a	230	7.17	chr8	75096409	75096458	433	< 0.001	75095822	no
Klf16	231	7.16	chr10	80040404	80039920	143	< 0.001	80040873; 80040718; 80040718; 80040775; 80040775	yes
Sox2	232	7.15	chr3	34548253	34548969	-328	< 0.001	34548944	yes
St3gal6	233	7.14	chr16	58523710	58524070	-309	< 0.001	58523710	no
Tmem106b	234	7.12	chr6	13019960	13020361	289	< 0.001	13020031	yes
Slc2a1	235	7.09	chr4	118781814	118782192	666	< 0.001	118781955; 118782027; 118782027	yes
Tmem55a	236	7.06	chr4	14791322	14791830	251	< 0.001	14791539; 14791862; 14791862; 14791868	yes
Sstr3	237	7.05	chr15	78374045	78375374	-125	< 0.001	78374933; 78375359; 78374017; 78375142; 78374679	no
Ncam1	238	7.04	chr9	49605721	49606397	1428	< 0.001	49605729	yes
Thumpd3	239	7.03	chr6	112996534	112996799	348	< 0.001	112996534	no
Dnaja1	240	7.02	chr4	40669340	40669547	-198	< 0.001	40669647	yes
Mrgpre	240	7.02	chr7	150969386	150969756	607	< 0.001	150969386	no
Dbp	241	7	chr7	52961744	52962397	1629	< 0.001	52963359; 52962083	yes
Pag1	241	7	chr3	9834125	9834886	-716	< 0.001	9834125	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Fahd1	242	6.99	chr17	24986816	24987041	229	< 0.001	24986816	no
Gpd1	242	6.99	chr15	99554990	99555395	7345	< 0.001	99555476; 99555476	yes
Tmem164	243	6.98	chrX	139115480	139116144	162	< 0.001	139115480	no
Hoxb9	244	6.97	chr11	96132058	96132549	-121	< 0.001	96133494	yes
4930548G07Rik	244	6.97	chr14	57287225	57287803	521	< 0.001	57287225	no
Cbx3	245	6.96	chr6	51420739	51420946	310	< 0.001	51420739	no
Hivep1	246	6.92	chr13	42146392	42147991	453	< 0.001	42147574; 42147577; 42147386; 42147385	yes
Jmjd3	247	6.91	chr11	69229998	69229730	-2209	< 0.001	69230816	yes
Kcna1	247	6.91	chr6	126594565	126595206	635	< 0.001	126595098; 126595259; 126595259	yes
S100a11	248	6.9	chr3	93324680	93324922	479	< 0.001	93324680	no
Stag1	248	6.9	chr9	100543211	100543473	-597	< 0.001	100543552, 100543588, 100543598, 100543624, 100543576	no
Fgf11	248	6.9	chr11	69614608	69614821	332	< 0.001	69614735; 69614735	yes
Ptch1	249	6.87	chr13	63665972	63666429	532	< 0.001	63666355	yes
1700025G04Rik	250	6.86	chr1	153937671	153937237	261	< 0.001	153938716	yes
Rhbdf1	251	6.85	chr11	32121292	32121704	764	< 0.001	32121609; 32121612	yes
Rnf24	251	6.85	chr2	131178316	131178836	-247	< 0.001	131179350; 131179350; 131179313; 131178960	yes
Slc9a3r1	252	6.84	chr11	115024053	115024332	-348	< 0.001	115024177	no
Cbx6	253	6.83	chr15	79664769	79665412	-217	< 0.001	79664922; 79665712; 79665749	yes
BC064815	253	6.83	chr10	92623832	92624312	866	< 0.001	92624509; 92624509	yes
Mms19l	254	6.82	chr19	42055086	42055419	343	< 0.001	42055086	no
Map4k4	255	6.8	chr1	39959028	39958967	1301	< 0.001	39959290	yes
Tbx2	255	6.8	chr11	85646086	85646476	208	< 0.001	85646622; 85646625	yes
Wnt1	255	6.8	chr15	98619938	98620297	-323	< 0.001	98620360	yes
Pitpnc1	256	6.79	chr11	107330700	107331647	414	< 0.001	107331214	yes
Slain1	256	6.79	chr14	104050233	104050393	799	< 0.001	104050376; 104050376; 104050387	yes
Trim62	257	6.78	chr4	128560636	128561129	-449	< 0.001	128560957; 128560957	yes
Slc29a1	258	6.76	chr17	45732419	45733459	-3330	< 0.001	45733088; 45733091	yes
Bnip3l	258	6.76	chr14	67627652	67628194	-336	< 0.001	67628214; 67628214	yes
Fst	258	6.76	chr13	115249261	115249777	-634	< 0.001	115249809; 115249389	yes
Arf5	259	6.75	chr6	28373988	28374033	371	< 0.001	28374011	yes
Ralgds	259	6.75	chr2	28369914	28370312	1437	< 0.001	28370449	yes
Top1	259	6.75	chr2	160472318	160472495	710	< 0.001	160472619	yes
Dedd	260	6.73	chr1	173259588	173260212	169	< 0.001	173259753; 173259753; 173259622	yes
Itpr2	261	6.71	chr6	146450991	146451138	-680	< 0.001	146450991	no
Vgf	261	6.71	chr5	137508287	137508475	2146	< 0.001	N/A	no
4930546H06Rik	262	6.7	chr17	17964255	17965263	-2210	< 0.001	17964298	yes
Rasal1	262	6.7	chr5	121098212	121099052	200	< 0.001	121098964	yes
Isyna1	262	6.7	chr8	73117265	73117923	-641	< 0.001	73117265	no
Ephb1	263	6.69	chr9	102257069	102257119	-131	< 0.001	102257069	no
2310033P09Rik	264	6.68	chr11	59021977	59021785	138	< 0.001	59022271	yes
5033428A16Rik	264	6.68	chr8	90642558	90643265	105	< 0.001	90643320	yes
Cd63	265	6.67	chr10	128347610	128347776	833	< 0.001	128347724	yes
Slit3	265	6.67	chr11	34935290	34935979	523	< 0.001	34936257; 34936257; 34935656; 34935655	yes
Ric8b	266	6.65	chr10	84380277	84380580	158	< 0.001	84380608; 84380667	yes
Glul	267	6.64	chr1	155748095	155747683	906	< 0.001	155748095	no
BC049664	267	6.64	chr12	12269302	12269671	502	< 0.001	12269802	yes
Igsf8	268	6.63	chr1	174243052	174242684	289	< 0.001	174243208; 174243208; 174243447; 174243446	yes
Plat	268	6.63	chr8	23868888	23869245	845	< 0.001	23870348; 23869437	yes
Spry2	269	6.6	chr14	106296835	106297186	-938	< 0.001	106296835	no
Niban	270	6.59	chr1	153418364	153418150	-270	< 0.001	153418364	no
Pthr1	270	6.59	chr9	110644837	110645636	-288	< 0.001	110645092; 110645095; 110645458	yes
9430071P14Rik	271	6.58	chr6	37999058	37999219	75390	< 0.001	37999058	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
AI597468	271	6.58	chr10	84566101	84566009	606	< 0.001	84565322, 84565313, 84565560, 84565557, 84565283, 84565505, 84565554, 84566051, 84565767, 84565761, 84565472, 84565421, 84566200, 84565451, 84565410	no
Prkg2	272	6.57	chr5	99465568	99466474	-354	< 0.001	99466138, 99466119, 99466195	no
Pwwp2	273	6.55	chr7	146433827	146435309	242	< 0.001	146434587; 146435237	yes
Arvcf	274	6.54	chr16	18343807	18344629	-4228	< 0.001	18344363; 18344366; 18344187; 18344186	yes
Wnk1	275	6.53	chr6	119987911	119988641	-821	< 0.001	119989173, 119988189, 119987772	no
Snap29	276	6.5	chr16	17405335	17405966	-450	< 0.001	17406219	yes
Ikbkap	276	6.5	chr4	56815316	56815744	-377	< 0.001	56815442	no
Zbtb37	276	6.5	chr1	162964732	162964964	-552	< 0.001	162964864, 162964647, 162964653, 162964635	no
Abi2	277	6.49	chr1	60467153	60466960	297	< 0.001	60467872; 60467701	yes
Dr1	277	6.49	chr5	108697451	108697703	-239	< 0.001	108697451	no
Rnd3	278	6.48	chr2	51002754	51003691	1851	< 0.001	51003407; 51003407	yes
L1cam	278	6.48	chrX	71125977	71126933	-247	< 0.001	71126411	yes
Ube2t	279	6.45	chr1	136858855	136859277	-31	< 0.001	136858951; 136858951	yes
Top1111	280	6.44	chr2	104552434	104552678	-332	< 0.001	104552558; 104552531; 104552776	yes
Pex19	281	6.43	chr1	174057179	174057015	90	< 0.001	174057498	yes
VeZF1	281	6.43	chr11	87880929	87882755	533	< 0.001	87882857; 87882857; 87882313; 87882036; 87882035	yes
Lasp1	281	6.43	chr11	97660313	97660660	-475	< 0.001	97660313	no
2610024E20Rik	282	6.42	chr18	34666560	34667009	-298	< 0.001	34666616; 34666616	yes
Tex264	283	6.4	chr9	106587991	106588781	-341	< 0.001	106588559	yes
Ecd3	284	6.39	chr9	57556329	57556479	-23	< 0.001	57556571	yes
Cecr6	284	6.39	chr6	120443206	120444687	-275	< 0.001	120444212; 120444212; 120444177; 120444218; 120444218; 120443779; 120443778	yes
Uck2	284	6.39	chr1	169214525	169214245	1038	< 0.001	169215048	yes
Wdr22	284	6.39	chr12	81536375	81536716	1014	< 0.001	81536317	no
E130309F12Rik	285	6.38	chr4	49072026	49072408	-95	< 0.001	49072112, 49072122, 49072279, 49072268, 49072116	no
Wasl	286	6.37	chr6	24614170	24615073	420	< 0.001	24615180; 24615212	yes
Pum2	286	6.37	chr12	8681056	8681641	132	< 0.001	8681224	yes
Nr2f6	287	6.36	chr8	73904674	73904940	933	< 0.001	73904928; 73904928	yes
Ldlrad3	287	6.36	chr2	102025868	102026104	452	< 0.001	N/A	no
Ing2	288	6.34	chr8	48759591	48759878	658	< 0.001	48759433	no
Ppm1d	289	6.32	chr11	85124173	85124688	-89	< 0.001	85124815	yes
Vasn	289	6.32	chr16	4640187	4640719	390	< 0.001	4640187	no
AW049604	290	6.31	chr15	87455391	87455924	-245	< 0.001	87455789; 87455792; 87455820	yes
Gad2	290	6.31	chr2	22477850	22478016	27	< 0.001	22477962	yes
Tmem53	290	6.31	chr4	116924690	116924860	119	< 0.001	116924574, 116924776, 116924606	no
Pigp	291	6.29	chr16	94591846	94592231	-140	< 0.001	94592380	yes
Kif5c	291	6.29	chr2	49475777	49476147	1284	< 0.001	49475955; 49475926	yes
Kpnb1	291	6.29	chr11	97048471	97049080	328	< 0.001	N/A	no
Pde10a	292	6.28	chr17	8993899	8994191	-441	< 0.001	8994222; 8994222	yes
Pik3r1	292	6.28	chr13	102464837	102465254	-2379	< 0.001	102465264; 102465264	yes
T2bp	292	6.28	chr3	127492772	127493120	268	< 0.001	127493156	yes
Ngdn	292	6.28	chr14	55633596	55633910	-740	< 0.001	55633578, 55633584	no
Bub1b	293	6.27	chr2	118423833	118424145	32	< 0.001	118423937	no
2900093B09Rik	294	6.26	chr7	48154340	48154952	-285	< 0.001	48154461; 48154461; 48155098; 48155098	yes
Ssx2ip	294	6.26	chr3	146067207	146067558	-114	< 0.001	146067675	yes
Rprc1	294	6.26	chr4	125932390	125933014	689	< 0.001	125932239, 125932769, 125932611, 125932617, 125933981, 125934230, 125934236	no
Capn1	294	6.26	chr19	6015069	6015817	-365	< 0.001	6015867; 6015523	yes
5730420B22Rik	295	6.25	chr14	45838540	45838940	151	< 0.001	45839030, 45838970	no
Pomp	296	6.24	chr5	148671896	148672419	47	< 0.001	148672315; 148672315	yes
Cmtm8	297	6.23	chr9	114753279	114753975	-361	< 0.001	114753468	yes
Zfp191	297	6.23	chr18	24179439	24179929	-304	< 0.001	24179581	yes

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Ptpra	297	6.23	chr2	130276039	130276925	-213	< 0.001	130276223, 130276352, 130276258, 130276794, 130276061, 130276157, 130276154, 130276160	no
Ern1	298	6.22	chr11	106349391	106350063	-437	< 0.001	106349206, 106349200, 106349276	no
Evp1	298	6.22	chr11	116103208	116103856	-4062	< 0.001	116103208	no
Cobl1	299	6.21	chr2	65076709	65077445	-433	< 0.001	65077147; 65077089; 65077450; 65077150	yes
Crabp2	299	6.21	chr3	87750927	87751209	-1432	< 0.001	87751337; 87751336	yes
Thbs1	300	6.2	chr2	117937259	117937635	-370	< 0.001	117937749; 117937615; 117937615; 117937752	yes
Hibadh	301	6.19	chr6	52590486	52590717	-219	< 0.001	52590543, 52590414	no
Trim3	302	6.18	chr7	112781611	112781962	235	< 0.001	112781802, 112781916	no
Paxip1	303	6.17	chr5	28117756	28117994	101	< 0.001	28117885; 28118140	yes
Wdfy1	303	6.17	chr1	79758128	79757982	384	< 0.001	79758108	no
Paip2	304	6.16	chr18	35758346	35758652	302	< 0.001	35758533	yes
Tef	304	6.16	chr15	81641068	81641121	-808	< 0.001	81641418	yes
Plxdc1	304	6.16	chr11	97847174	97847368	348	< 0.001	97847457; 97847457	yes
Col4a5	305	6.15	chrX	137909944	137910926	237	< 0.001	137909926, 137911114	no
Myo7b	305	6.15	chr18	32196506	32196726	-85	< 0.001	32196506	no
D730040F13Rik	306	6.13	chr4	56960116	56960515	-191	< 0.001	56960518; 56960536; 56960536	yes
Nt5c2	307	6.12	chr19	47037017	47037072	-246	< 0.001	47037024; 47037027	yes
Pcdh7	307	6.12	chr5	58107160	58107603	-1953	< 0.001	58107892	yes
Ncoa2	307	6.12	chr1	13364474	13364662	-332	< 0.001	13363172, 13363221, 13364280, 13364351	no
Ubpap2l	307	6.12	chr3	89855750	89856277	443	< 0.001	89855677, 89855837, 89856208, 89856048, 89856043	no
Igf1r	308	6.11	chr7	75096138	75096355	-982	< 0.001	75096138	no
Kcnj8	308	6.11	chr6	142519670	142520325	40	< 0.001	142520094, 142520259	no
Elov16	308	6.11	chr3	129235802	129236615	1179	< 0.001	N/A	no
Alms1	309	6.1	chr6	85537796	85538235	576	< 0.001	85538139; 85538139; 85538146; 85538151; 85538145	yes
Ninj1	310	6.08	chr13	49282919	49283194	27	< 0.001	49283077	yes
Rhog	311	6.07	chr7	109398502	109398954	-299	< 0.001	109398886; 109398775	yes
Tubb2b	312	6.06	chr13	34221621	34221889	363	< 0.001	34221879	yes
2600010E01Rik	312	6.06	chr2	101637242	101638237	-166	< 0.001	101637479, 101637958, 101637935	no
BC067054	313	6.05	chr3	95622734	95623631	-129	< 0.001	95623609; 95623609	yes
Etf1	314	6.04	chr18	35091233	35091284	399	< 0.001	35091355	yes
Plec1	315	6.03	chr15	76028337	76028933	-163	< 0.001	76028830; 76029032; 76029032	yes
Akp2	315	6.03	chr4	137352188	137352422	82	< 0.001	137352443; 137352312	yes
Sfxn3	315	6.03	chr19	45119804	45119858	-2332	< 0.001	N/A	no
Apeh	316	6.02	chr9	107997152	107997525	-392	< 0.001	107997457; 107997457	yes
Phka2	316	6.02	chrX	156940212	156940861	-156	< 0.001	156940744; 156940747	yes
Plekhc1	316	6.02	chr14	46149149	46150611	52	< 0.001	46150024; 46149562	yes
Mrpl48	317	6.01	chr7	107756874	107757209	722	< 0.001	107757019	yes
Ptprg	318	6	chr14	12386787	12387612	936	< 0.001		no
Ap2a2	319	5.99	chr7	148748606	148748791	550	< 0.001	12386787	no
Ccdc102a	320	5.97	chr8	97441560	97441762	211	< 0.001	148748606	yes
Trappc4	321	5.96	chr9	44214960	44215412	649	< 0.001	44214929, 44215146	no
Nfkb2	321	5.96	chr19	46380480	46380527	397	< 0.001	46380594; 46380594	yes
Myo9b	322	5.95	chr8	73796754	73797123	488	< 0.001	73796636; 73796583	no
Lef1	322	5.95	chr3	130814332	130815403	1166	< 0.001	130815144; 130817051; 130815133; 130815647; 130815646	yes
Rufy4	323	5.94	chr1	74171225	74171389	-748	< 0.001	74171364; 74171363	yes
B930006L02Rik	323	5.94	chr7	107855205	107855569	13	< 0.001	107855312; 107855315	yes
Gm266	323	5.94	chr12	112724129	112725777	-1527	< 0.001	112725486, 112724594, 112724851	no
Khsrp	323	5.94	chr17	57170218	57170402	551	< 0.001	57170218	no
Fgfr2	324	5.93	chr7	137409139	137409581	922	< 0.001	137409433	yes
D930005D10Rik	324	5.93	chr5	143026191	143026585	469	< 0.001	143026191	no
Frmf6	325	5.92	chr12	71926104	71926501	-370	< 0.001	71926627; 71926627	yes
G6pc3	325	5.92	chr11	102051127	102051357	138	< 0.001	102051116, 102051078, 102051062	no
AA407270	326	5.91	chr9	71439405	71440472	-93	< 0.001	71440347	yes

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Fzd7	326	5.91	chr1	59539423	59539798	456	< 0.001	59540074; 59540037; 59540037	yes
St3gal5	327	5.9	chr6	72047426	72048143	-4	< 0.001	72047753; 72047756; 72047791	yes
Hnrpk	327	5.9	chr13	58503962	58504199	-299	< 0.001	58503962	no
Atoh8	328	5.89	chr6	72184349	72185966	-35	< 0.001	72185197, 72185539, 72185542, 72184775, 72184598, 72184769, 72185174, 72184673	no
Slc4a2	328	5.89	chr5	23931419	23932150	393	< 0.001	23931292, 23931294	no
Tenc1	328	5.89	chr15	101932217	101934231	790	< 0.001	101932936; 101932935	yes
Ccdc58	329	5.88	chr16	36071911	36072497	554	< 0.001	36071597, 36072406, 36071680	no
Homer1	329	5.88	chr13	94073238	94073656	-1001	< 0.001	94073636	no
Mllt7	330	5.87	chrX	98450032	98450184	191	< 0.001	98450974, 98451086	no
Klf10	331	5.86	chr15	38231020	38231764	-892	< 0.001	38231479; 38231482; 38231179; 38231340; 38231343; 38231122; 38231122	yes
4631426J05Rik	332	5.85	chr7	139507500	139508332	1064	< 0.001	139508225	yes
C2ta	332	5.85	chr16	10489795	10490339	1797	< 0.001	10490454; 10490454	yes
Zfp597	332	5.85	chr16	3872026	3872689	156	< 0.001	3872551; 3872551	yes
D930049A15Rik	332	5.85	chr14	26280054	26280624	1483	< 0.001	26280335, 26280142, 26280094, 26280134, 26279869, 26276583, 26276585, 26276586, 26276584, 26276588, 26276510, 26277340	no
Agpat7	333	5.84	chr2	112080231	112080431	411	< 0.001	112080339	no
Pgm2l1	333	5.84	chr7	107375935	107376343	-156	< 0.001	107376290; 107376310; 107376290	yes
Lmo6	334	5.83	chrX	7235015	7235698	-192	< 0.001	7235780; 7235783	yes
Lck	335	5.82	chr4	129233406	129233772	1870	< 0.001	7235579	no
Ptfr	336	5.81	chr11	100830389	100831020	1239	< 0.001	100830949; 100831002	yes
Rusc1	336	5.81	chr3	88897370	88897536	-108	< 0.001	88897308, 88897340	no
Jag1	337	5.79	chr2	136940347	136941094	1238	< 0.001	136940726	yes
Ppia	337	5.79	chr11	6316475	6316665	633	< 0.001	6316475	no
Cyp46a1	338	5.78	chr12	109572343	109572394	-222	< 0.001	109572726; 109572646	yes
Hadhb	338	5.78	chr5	30481870	30482020	31	< 0.001	30481811	no
Ppp5c	339	5.77	chr7	17613374	17613428	-182	< 0.001	17613529; 17613532	yes
Pdia4	339	5.77	chr6	47763265	47763883	-345	< 0.001	47763853	yes
Ints3	339	5.77	chr3	90237084	90237312	268	< 0.001	90237084	no
Cret1	340	5.76	chr3	92818464	92819010	775	< 0.001	92818814	yes
Sert1	341	5.75	chr15	76350195	76350560	2341	< 0.001	76350547; 76350569; 76350572; 76350550; 76350309; 76350309	yes
St8sia2	342	5.74	chr7	81157727	81158032	698	< 0.001	81157727	no
Utp18	342	5.74	chr11	93748145	93748190	636	< 0.001	93748145	no
Hoxc9	343	5.72	chr15	102807056	102808422	48	< 0.001	102808579	yes
Plekhl1	343	5.72	chr7	39012596	39013276	-133	< 0.001	39013300; 39013222; 39013300	yes
Arid5a	344	5.71	chr1	36364811	36364659	238	< 0.001	36365142; 36365142	yes
Ddx6	345	5.7	chr9	44413288	44413449	336	< 0.001	44413383; 44413383	yes
Klf13	345	5.7	chr7	71081546	71082367	1405	< 0.001	71082403; 71081723	yes
Mtap1b	345	5.7	chr13	100285079	100286304	459	< 0.001	100285958; 100285958	yes
Add3	345	5.7	chr19	53216125	53216585	-1924	< 0.001	53216173	no
Ppt2	345	5.7	chr17	34763379	34763616	448	< 0.001	34764390, 34764387, 34764384, 34764389, 34764391, 34764386, 34764388, 34764393, 34763691, 34763842	no
Usp11	346	5.69	chr5	149996527	149996575	416	< 0.001	149996527	no
Galnt1	347	5.68	chr18	24364086	24364131	167	< 0.001	24364366; 24364406	yes
Nans	347	5.68	chr4	46502184	46502332	110	< 0.001	46502184	no
Xylt1	348	5.66	chr7	124523655	124524046	-680	< 0.001	N/A	no
Bcar3	349	5.65	chr3	122122542	122123574	-30	< 0.001	122123485; 122122975	yes
Vamp4	349	5.65	chr1	164501103	164501262	168	< 0.001	164501194; 164501281	yes
Mpp3	349	5.65	chr11	101888193	101889124	-345	< 0.001	101888508; 101888744; 101888453; 101888452	yes
Rod1	350	5.64	chr4	59561478	59562167	2	< 0.001	59561901; 59561904; 59562114	yes
Samd4	350	5.64	chr14	47502240	47502814	-35	< 0.001	47502721	yes
Zbtb7a	350	5.64	chr10	80601321	80601596	2329	< 0.001	80601406	yes

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Atbf1	351	5.63	chr8	111239108	111239153	587	< 0.001	111239445	yes
Atxn2	351	5.63	chr5	122162420	122163177	1537	< 0.001	122162543	yes
Dnajc17	352	5.62	chr2	119034386	119034433	100	< 0.001	119034754	yes
Clec11a	353	5.61	chr7	51566577	51567261	-4860	< 0.001	51566847	yes
Rbm39	353	5.61	chr2	156005989	156006398	-224	< 0.001	156006324	yes
Cbfb	353	5.61	chr8	107694896	107695052	345	< 0.001	107694896	no
Cacna1h	354	5.6	chr17	25571123	25571540	-803	< 0.001	25571481; 25571292; 25571386	yes
Tnpo2	354	5.6	chr8	87561241	87561522	200	< 0.001	87561455	no
Ctdspl2	355	5.59	chr2	121782179	121782373	161	< 0.001	121782137, 121781802, 121781787, 121782072	no
Socs7	356	5.58	chr11	97224166	97224491	474	< 0.001	97224197; 97224197	yes
Ly6h	356	5.58	chr15	75397399	75397741	-176	< 0.001	75397727	yes
OTTMUSG00000003802	357	5.57	chr11	117344083	117344611	-1357	< 0.001	117344702; 117344702	yes
Foxo3a	358	5.53	chr10	41997198	41996010	560	< 0.001	41997543; 41997782; 41997985	yes
Lrfn4	358	5.53	chr19	4615491	4615695	-170	< 0.001	4615295, 4615573	no
Ubtf	358	5.53	chr11	102178323	102178950	-201	< 0.001	102178828; 102178765; 102178347; 102178442; 102178441	yes
Pcgf2	359	5.51	chr11	97560233	97560593	1090	< 0.001	97560501, 97560435, 97560444, 97560203	no
Fbxo3	360	5.5	chr2	103867763	103867959	-163	< 0.001	103868054	yes
Rcsd1	360	5.5	chr1	167639122	167638945	-121	< 0.001	167640458	yes
Nes	360	5.5	chr3	87775824	87776743	1388	< 0.001	87775925, 87776369, 87775614	no
Pten	360	5.5	chr19	32830437	32830640	-1603	< 0.001	32830491	no
Poln	361	5.49	chr5	34512280	34512448	-206	< 0.001	34512542; 34512545	yes
Kcnc2	361	5.49	chr10	111708034	111708550	52	< 0.001	111708184	no
Ccdc131	361	5.49	chr10	114822665	114822522	304	< 0.001	114822738; 114822738	yes
Irs1	362	5.47	chr1	82287014	82287407	521	< 0.001	82288546, 82288538, 82287592	no
Plxna2	363	5.45	chr1	196446081	196446000	-46	< 0.001	196446264; 196446264	yes
Pura	363	5.45	chr18	36440738	36441247	93	< 0.001	36441820; 36441017; 36441785; 36441784	yes
Tuba2	364	5.44	chr15	98764377	98764619	225	< 0.001	98764633	yes
Gm879	364	5.44	chr11	66340476	66340663	-874	< 0.001	66341056	yes
Chd4	365	5.43	chr6	125046851	125048166	694	< 0.001	125047291	yes
Atp5g1	365	5.43	chr11	95937177	95937224	-237	< 0.001	95937177	no
Calcoo1	365	5.43	chr15	102552188	102552634	135	< 0.001	102552430, 102552325	no
AI839735	365	5.43	chr12	113748938	113749784	137	< 0.001	113749567	yes
Prpf40b	365	5.43	chr15	99125814	99126085	223	< 0.001	N/A	no
Cox5a	366	5.42	chr9	57368764	57368824	-244	< 0.001	57369062; 57369062	yes
Pou4f1	366	5.42	chr14	104866936	104867347	255	< 0.001	104866969	yes
Zhx2	366	5.42	chr15	57526891	57527793	1359	< 0.001	57527337	yes
6330442E10Rik	366	5.42	chr12	80107575	80107827	460	< 0.001	80107710	no
Tdrkh	366	5.42	chr3	94217113	94217366	105	< 0.001	94217358; 94217301	yes
Sertad4	367	5.41	chr1	194681433	194681218	459	< 0.001	194681700	yes
Diap2	367	5.41	chrX	126284616	126284864	308	< 0.001	126285051	yes
Mapk12	367	5.41	chr15	88971258	88971515	-240	< 0.001	88971077	no
Rcn1	367	5.41	chr2	105239774	105239829	-326	< 0.001	105239774	no
Atp11c	368	5.4	chrX	57656967	57657012	166	< 0.001	57657381; 57657061	yes
Elk3	368	5.4	chr10	92772938	92773360	706	< 0.001	92773847	yes
Cpd	369	5.39	chr11	76663149	76663313	-2780	< 0.001	76663149	no
Nope	369	5.39	chr9	64949985	64950464	907	< 0.001	64950172	no
Ppp1r3b	370	5.38	chr8	36439072	36439753	450	< 0.001	36439258	yes
Myo1c	370	5.38	chr11	75465154	75465200	-474	< 0.001	75465154	no
Rfc5	370	5.38	chr5	117838227	117838761	296	< 0.001	117838823	yes
Trim33	370	5.38	chr3	103084601	103084775	1530	< 0.001	N/A	no
Nfia	371	5.37	chr4	97441627	97442042	-2304	< 0.001	97442061; 97441743; 97441746	yes
Ppp1r9a	372	5.36	chr6	4853505	4854104	321	< 0.001	4854173; 4854167	yes
Ube2v1	372	5.36	chr2	167457750	167458058	-267	< 0.001	167457876	yes
I300014I06Rik	373	5.35	chr13	34744399	34745414	-603	< 0.001	34744340	no
Anp32a	373	5.35	chr9	62189900	62191433	2261	< 0.001	62189851, 62189845	no
Kif1a	373	5.35	chr1	94997478	94997525	940	< 0.001	94997321	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Mpp2	373	5.35	chr11	101948727	101948884	954	< 0.001	101948777, 101948769	no
Zfp36	374	5.34	chr7	29166666	29166726	-2449	< 0.001	29166826	yes
2010305A19Rik	374	5.34	chr4	108000478	108000670	-108	< 0.001	108000609	no
Wdr26	374	5.34	chr1	183141201	183140911	460	< 0.001	183141081, 183141075	no
Axin2	375	5.32	chr11	108781745	108782774	350	< 0.001	108782557; 108782556; 108782551; 108782550	yes
Fads1	375	5.32	chr19	10257651	10258275	476	< 0.001	10258018	no
Lrch1	376	5.31	chr14	75346241	75346547	1284	< 0.001	75346433; 75346451; 75346450	yes
Ntf3	376	5.31	chr6	126116645	126117294	-2024	< 0.001	126114650, 126114694	no
Mgea5	377	5.3	chr19	45857854	45858270	-329	< 0.001	45858277	yes
Slc30a3	377	5.3	chr5	31395268	31395598	295	< 0.001	31395979; 31396328; 31396328; 31395600; 31395600	yes
Dusp2	378	5.29	chr2	127161409	127161987	70	< 0.001	127161996	yes
Mpp5	378	5.29	chr12	79849857	79850008	-23	< 0.001	79849936, 79849774, 79849863, 79849840, 79849687	no
Ints6	379	5.28	chr14	63378815	63379656	907	< 0.001	63378985; 63379118	yes
Tyro3	379	5.28	chr2	119625325	119625935	521	< 0.001	119625413; 119625661; 119625660	yes
Hoxb6	379	5.28	chr11	96161421	96161907	1400	< 0.001	96161824	no
Kctd11	379	5.28	chr11	69694712	69694984	-249	< 0.001	69694634, 69694539, 69694808, 69694677	no
Gkap1	380	5.27	chr13	58375084	58375316	443	< 0.001	58375491	yes
Sertad1	381	5.26	chr7	28272063	28272858	642	< 0.001	28272520; 28272479; 28272550; 28272549	yes
Hpcal4	381	5.26	chr4	122859739	122860478	-705	< 0.001	122859881; 122859880	yes
Igf2bp3	381	5.26	chr6	49165518	49165881	-1025	< 0.001	49165683; 49165682	yes
Pou2f2	381	5.26	chr7	25918281	25918686	-965	< 0.001	25918591	yes
Cacna2d1	381	5.26	chr5	15439997	15440330	-346	< 0.001	15439997	no
Hnrp1	381	5.26	chr7	29593539	29593872	-2204	< 0.001	29593539	no
Rheb	382	5.25	chr5	24348289	24348721	-353	< 0.001	24348904; 24348531; 24349269	yes
D10Erd438e	382	5.25	chr10	52137141	52137081	-241	< 0.001	52137141	no
Wwtr1	382	5.25	chr3	57380244	57380544	-594	< 0.001	57379870, 57379745, 57379847	no
Tlx3	382	5.25	chr11	33102179	33102095	1257	< 0.001	N/A	no
BC005624	383	5.24	chr2	30837543	30837588	-160	< 0.001	30837979; 30837684; 30837683	yes
Smpd3	383	5.24	chr8	108861929	108862287	-215	< 0.001	108862330; 108862330	yes
Ppargc1b	384	5.23	chr18	61558576	61558621	1487	< 0.001	61560380; 61560380	yes
Ppp2r2c	384	5.23	chr5	37260106	37260563	321	< 0.001	37260106	no
Egr1	385	5.22	chr18	35020016	35020422	-628	< 0.001	35020459	yes
Gabrb3	385	5.22	chr7	64846708	64847207	324	< 0.001	64847212; 64846730; 64846729	yes
Pias4	385	5.22	chr10	80630047	80630403	253	< 0.001	80630047	no
Etv6	386	5.21	chr6	133985469	133986127	377	< 0.001	133986129; 133985764; 133986123	yes
Zdhhc2	386	5.21	chr8	41508575	41509176	-270	< 0.001	41509322; 41509322	yes
Arid3b	386	5.21	chr9	57683934	57684101	-1923	< 0.001	57683934	no
Dido1	386	5.21	chr2	180444403	180444638	-7621	< 0.001	N/A	no
Epb4.114a	387	5.2	chr18	34165806	34166361	738	< 0.001	34166468; 34166468	yes
Sf3b3	387	5.2	chr8	113369864	113370397	631	< 0.001	113370201	yes
BC013481	387	5.2	chr5	66542255	66542793	-116	< 0.001	66542670	no
Sulf2	387	5.2	chr2	165980866	165981075	262	< 0.001	165981049, 165980692	no
Pde3b	388	5.18	chr7	121558833	121559020	89	< 0.001	121558912; 121558912	yes
Mobk1b	388	5.18	chr6	83276116	83276267	106	< 0.001	83276192, 83275720	no
Icosl	389	5.17	chr10	77532388	77532646	176	< 0.001	77532817	yes
Daam2	389	5.17	chr17	49702626	49703051	739	< 0.001	49702609	no
Tmem11	389	5.17	chr11	60691957	60691884	554	< 0.001	60692094, 60692008, 60692223, 60692082	no
Zmym2	389	5.17	chr14	57506275	57506320	-332	< 0.001	57506473	no
Odz4	390	5.15	chr7	103361142	103361202	2026	< 0.001	N/A	no
Eef2k	391	5.14	chr7	127986710	127987359	778	< 0.001	127987235; 127987235	yes
Jup	391	5.14	chr11	100256776	100257104	2252	< 0.001	100256949	yes
I500003O03Rik	391	5.14	chr2	119373457	119374014	368	< 0.001	119373431	no
Wbser17	391	5.14	chr5	131783249	131783415	0	< 0.001	N/A	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Cdh24	392	5.13	chr14	55260165	55260523	-229	< 0.001	55260496; 55260499; 55260615	yes
Chic2	392	5.13	chr5	75443087	75443278	-2597	< 0.001	75443226	yes
Gpd2	392	5.13	chr2	57090393	57090708	-159	< 0.001	57090969; 57090553; 57090553	yes
Plcb3	392	5.13	chr19	7043747	7044203	252	< 0.001	7044032	yes
Mmd	392	5.13	chr11	90111015	90111366	249	< 0.001	90111015	no
4930402H24Rik	393	5.12	chr2	130665974	130666183	-150	< 0.001	130666731; 130666731; 130666800	yes
Bmper	393	5.12	chr9	23027603	23027893	351	< 0.001	23027446; 23027770; 23027452	no
Coro1b	393	5.12	chr19	4150908	4151239	2408	< 0.001	4150908	no
Arhgef10	393	5.12	chr8	14911602	14911647	-92	< 0.001	N/A	no
Pdlim7	394	5.11	chr13	55614169	55614732	435	< 0.001	55614789; 55614789	yes
Tanc1	394	5.11	chr2	59451322	59451561	1436	< 0.001	59451322	no
Tnfrsf12a	394	5.11	chr17	23813504	23814391	260	< 0.001	23813795; 23813468	no
Prkar1a	395	5.1	chr11	109512375	109513396	304	< 0.001	109512888; 109512891; 109512885; 109512884	yes
Rab10	395	5.1	chr12	3310084	3310486	-173	< 0.001	3310331; 3310246; 3310246	yes
Vldlr	395	5.1	chr19	27291700	27292079	3	< 0.001	27292055; 27291848	yes
2700049P18Rik	395	5.1	chr1	133422324	133421940	1774	< 0.001	133421781; 133421802; 133421951	no
Srf	395	5.1	chr17	46691961	46692222	1127	< 0.001	46692143	no
Foxf1a	395	5.1	chr8	123607850	123608553	-375	< 0.001	123608220; 123608348	yes
Kremen2	396	5.09	chr17	23882279	23882719	248	< 0.001	23882638; 23882638	yes
Eif5a	396	5.09	chr11	69734598	69735016	-3	< 0.001	69734741; 69734738; 69734585; 69734765; 69734747; 69734750; 69734744; 69734875	no
Lpp	397	5.08	chr16	24394018	24394634	607	< 0.001	24394036; 24394098	no
Mbnl3	398	5.07	chrX	48558593	48559102	235	< 0.001	48559125	yes
Inhbb	398	5.07	chr1	121318885	121318133	537	< 0.001	121319306; 121319524; 121319524	yes
Relb	398	5.07	chr7	20214601	20215151	-69	< 0.001	20214985; 20214985	yes
D0H4S114	399	5.06	chr18	33623472	33623890	-11	< 0.001	33624498; 33624498; 33623631; 33623631	yes
Igf2	399	5.06	chr7	149844045	149845885	-1288	< 0.001	149845527; 149845720	yes
Pdgfc	399	5.06	chr3	80840715	80841681	875	< 0.001	80841235	yes
Trps1	399	5.06	chr15	50720784	50720954	655	< 0.001	N/A	no
Ypel4	399	5.06	chr2	84582715	84582760	8378	< 0.001	N/A	no
Stk39	400	5.05	chr2	68309161	68310554	504	< 0.001	68309469; 68309494; 68310332; 68310332; 68310533	yes
Tmem19	400	5.05	chr10	114799442	114799120	14	< 0.001	114800063; 114800066	yes
2810006K23Rik	400	5.05	chr5	124778046	124778091	-29	< 0.001	124778136; 124778013	no
Wipf2	400	5.05	chr11	98725425	98725591	444	< 0.001	98725264; 98725266; 98725315; 98725342	no
Msh6	401	5.04	chr17	88374662	88374825	261	< 0.001	88374918; 88374917	yes
Ppp2r1a	401	5.04	chr17	21082517	21082721	123	< 0.001	21082517	no
Rspo1	401	5.04	chr4	124662308	124663155	-883	< 0.001	124662219	no
E230022H04Rik	402	5.02	chr18	31920138	31920183	627	< 0.001	31920425	yes
Rgag4	402	5.02	chrX	99265848	99266418	770	< 0.001	99266489	yes
Lrrc3	402	5.02	chr10	77365418	77365728	-159	< 0.001	77365500; 77365278	no
Pjal	403	4.99	chrX	96665570	96665989	108	< 0.001	N/A	no
Zfp3611	404	4.98	chr12	81214980	81216163	-1322	< 0.001	81216078	yes
2900073G15Rik	404	4.98	chr17	71351873	71352192	-291	< 0.001	71352040; 71352103	yes
Aebp1	404	4.98	chr11	5761539	5761330	-88	< 0.001	5761539	no
Padi2	404	4.98	chr4	140462651	140462923	402	< 0.001	140462651	no
Wdr23	404	4.98	chr14	56179566	56179791	722	< 0.001	56179668	no
Wwc2	405	4.97	chr8	49076064	49076419	-317	< 0.001	49076249	yes
Tmc6	406	4.96	chr11	117640684	117640983	1090	< 0.001	N/A	no
9130227C08Rik	407	4.95	chr14	56503797	56504117	15	< 0.001	56503960; 56504125; 56503960; 56504128	yes
Tefe3	407	4.95	chrX	7340437	7340991	1068	< 0.001	N/A	no
Tle1	407	4.95	chr4	71861536	71861765	395	< 0.001	N/A	no
Leprel2	408	4.93	chr6	124806558	124807411	629	< 0.001	124806655	yes
Dctn6	408	4.93	chr8	35171140	35171417	103	< 0.001	35171346	no

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Midn	408	4.93	chr10	79611757	79611980	924	< 0.001	79611757	no
Pf1p	408	4.93	chr13	6647781	6647942	51	< 0.001	6647755	no
Fgfr3	409	4.92	chr5	34064468	34064972	236	< 0.001	34064509	yes
Ppp1r9b	409	4.92	chr11	94853879	94854310	1629	< 0.001	94854205; 94854205	yes
Dusp6	409	4.92	chr10	98725164	98725613	-278	< 0.001	98724644, 98725087, 98725092, 98724439, 98724643, 98725396, 98724430	no
Syvn1	409	4.92	chr19	6046613	6046849	165	< 0.001	6046613	no
Alcam	410	4.9	chr16	52452310	52452702	550	< 0.001	52452393	yes
Tbc1d2b	410	4.9	chr9	90164939	90165411	641	< 0.001	90165229	no
Hoxd11	410	4.9	chr2	74519648	74520583	-152	< 0.001	74520044	yes
Ptn	411	4.89	chr6	36760031	36760353	1035	< 0.001	36759990, 36759943, 36760217	no
Zfp148	411	4.89	chr16	33381561	33381736	724	< 0.001	33381561	no
Ust	411	4.89	chr10	8238334	8238633	267	< 0.001	N/A	no
D230005D02Rik	412	4.88	chr14	77557088	77557301	488	< 0.001	77557088	no
E130014J05Rik	412	4.88	chr3	133207920	133208200	-588	< 0.001	N/A	no
Ldlrap1	413	4.87	chr4	134323115	134323630	539	< 0.001	134324115; 134324118	yes
A630054L15Rik	413	4.87	chr14	27399494	27399677	601	< 0.001	27399338	no
Zfyve21	413	4.87	chr12	113054524	113054709	2206	< 0.001	113054524	no
Pygo1	413	4.87	chr9	72773727	72773986	294	< 0.001	N/A	no
Fjx1	414	4.86	chr2	102292363	102292412	-439	< 0.001	102292399; 102292385	yes
2310005N03Rik	414	4.86	chr1	180248794	180248839	-467	< 0.001	180249200; 180249200	yes
Hfm1	415	4.85	chr5	107354836	107355472	-81	< 0.001	107355428	yes
Sdcbp	415	4.85	chr4	6292974	6293391	348	< 0.001	6293015	yes
Rps10	415	4.85	chr17	27773770	27773820	-1608	< 0.001	27773936; 27773936	yes
Crim1	415	4.85	chr17	78599189	78601018	-26	< 0.001	78600020, 78600023, 78599366, 78600473, 78599939, 78599936, 78599297, 78599541, 78599200, 78599774, 78599880, 78599945, 78600582, 78599498, 78600088, 78600091, 78599425, 78600014, 78599642	no
Fign	415	4.85	chr2	63936624	63936824	-734	< 0.001	63936508	no
Phf12	415	4.85	chr11	77797218	77797947	852	< 0.001	77797218	no
Satb2	416	4.84	chr1	57029173	57029053	-852	< 0.001	57030638; 57029240; 57030653; 57030653; 57029240	yes
Trp53i11	416	4.84	chr2	93027427	93027748	-288	< 0.001	93027882	yes
Snapc2	416	4.84	chr8	4253502	4253661	535	< 0.001	4253572, 4253323, 4253317, 4253436, 4253559	no
Zbtb7c	416	4.84	chr18	75979393	75979716	-409	< 0.001	75979566, 75979656, 75979530	no
Crk	417	4.83	chr11	75493062	75493537	463	< 0.001	75493466; 75493113; 75493113	yes
Osbpl5	417	4.83	chr7	150925452	150925894	2132	< 0.001	150925837, 150924691	no
Zfp143	417	4.83	chr7	117204705	117204757	-484	< 0.001	117204881	yes
Tpd52l1	418	4.82	chr10	31165205	31165483	499	< 0.001	31165224; 31165589; 31165224	yes
BC021881	418	4.82	chr13	117814004	117814364	294	< 0.001	N/A	no
1110054O05Rik	419	4.81	chr4	59799694	59799874	-2989	< 0.001	59799885	yes
Gpsm3	419	4.81	chr17	34728329	34728513	1597	< 0.001	N/A	no
Bach2	420	4.8	chr4	32325550	32326252	-242	< 0.001	32326064	yes
Atp2b1	420	4.8	chr10	98378400	98378277	171	< 0.001	98378849; 98378865; 98378489; 98378489; 98378576; 98378575	yes
Golph2	420	4.8	chr13	59776523	59777478	-129	< 0.001	59777186	yes
Grb14	420	4.8	chr2	64860180	64861175	111	< 0.001	64861077; 64861077; 64861066; 64861083; 64861083	yes
Igfbp2	420	4.8	chr1	72870420	72870855	-368	< 0.001	72871858, 72870318, 72870931, 72870946, 72870950, 72870891, 72870935, 72870321, 72870961, 72870963	no
Tusc3	420	4.8	chr8	40069097	40069489	544	< 0.001	40069486; 40069154; 40069153	yes
6430527G18Rik	421	4.79	chr12	88224806	88225141	771	< 0.001	88225142; 88224957; 88224956	yes
Metnl	421	4.79	chr11	121563705	121564015	-12	< 0.001	121563852; 121563852	yes
Rhobtb3	421	4.79	chr13	76080946	76081607	-98	< 0.001	76081459; 76081387; 76081403	yes
Kpna1	421	4.79	chr16	35983190	35983468	-228	< 0.001	35983387	no
Xpo1	421	4.79	chr11	23156809	23157077	1007	< 0.001	N/A	no
Actg1	422	4.78	chr11	120211623	120211785	-1964	< 0.001	120212751; 120213057	yes

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Gpr81	422	4.78	chr5	124329917	124330107	-72	< 0.001	124329917	no
Laptm5	422	4.78	chr4	130465053	130465241	-4034	< 0.001	130465053	no
Zdhhc20	423	4.77	chr14	58508582	58508963	159	< 0.001	58508873	yes
E330009J07Rik	423	4.77	chr6	40385320	40385873	784	< 0.001	40385976	yes
Mapk9	423	4.77	chr11	49660665	49661225	650	< 0.001	49661258; 49661257	yes
Car11	423	4.77	chr7	52955835	52956092	522	< 0.001	52962335, 52961521, 52961434	no
Mxra8	423	4.77	chr4	155213761	155214147	125	< 0.001	155213822, 155213930	no
Npdcl	424	4.76	chr2	25258199	25258571	-175	< 0.001	25258747	yes
Xrn2	424	4.76	chr2	146838724	146839192	119	< 0.001	146839306; 146839309	yes
Ppfbp1	425	4.75	chr6	146837166	146837211	153	< 0.001	146837309	yes
Rtkn	425	4.75	chr6	83085678	83085978	-1126	< 0.001	83086089	yes
Hoxd9	425	4.75	chr2	74536394	74536995	981	< 0.001	74536490, 74536578, 74536466, 74536251, 74536382	no
Six4	425	4.75	chr12	74213237	74213712	972	< 0.001	74213112, 74213061	no
Tmem16f	425	4.75	chr15	95621053	95621270	-195	< 0.001	95621236, 95621215, 95621242	no
Tmtc2	425	4.75	chr10	105011424	105011585	359	< 0.001	105011597	no
Calm1	426	4.74	chr12	101438774	101439053	1046	< 0.001	101438964; 101438964	yes
Ldhb	426	4.74	chr6	142456328	142456663	-63	< 0.001	142457099	yes
Tubb5	426	4.74	chr17	35974396	35974456	751	< 0.001	35974438	yes
Chka	427	4.73	chr19	3851424	3852236	78	< 0.001	3851960	yes
Wee1	427	4.73	chr7	117265588	117266265	354	< 0.001	117266358; 117266103	yes
Sh3tc2	427	4.73	chr18	62112255	62112647	-104	< 0.001	62112575	no
Ube2d3	427	4.73	chr3	135101384	135101547	-314	< 0.001	135101450	no
Atp8b1	428	4.71	chr18	64820245	64820915	122	< 0.001	64820370	yes
Eed	428	4.71	chr7	97128456	97128960	886	< 0.001	97128651	no
Eif4ebp1	428	4.71	chr8	28371727	28371903	953	< 0.001	28371554	no
Pip5k2c	428	4.71	chr10	126636116	126636005	12458	< 0.001	N/A	no
Senn1g	429	4.7	chr7	128878166	128878453	294	< 0.001	128878433	yes
Zfp316	429	4.7	chr5	144031254	144031446	194	< 0.001	144031350; 144031445; 144031445	yes
2210010L05Rik	429	4.7	chr1	52783434	52783709	476	< 0.001	52783522, 52783939, 52783366, 52783933, 52783790, 52783797, 52783708	no
Hoxd10	429	4.7	chr2	74525395	74526090	-4194	< 0.001	74525931, 74525513	no
Setd7	429	4.7	chr3	51364536	51364968	-21	< 0.001	128878232	no
Ccdc69	429	4.7	chr11	54891047	54891245	411	< 0.001	N/A	no
Usp28	430	4.69	chr9	48793374	48794080	399	< 0.001	48793815; 48793627; 48793449; 48793449; 48793658	yes
Ppp2r5b	430	4.69	chr19	6233771	6233936	2046	< 0.001	6233771	no
Rbms3	430	4.69	chr9	117162749	117162800	-1177	< 0.001	117162749	no
Sh3bgrl3	431	4.68	chr4	133684961	133685134	-317	< 0.001	133684961	no
Vac14	431	4.68	chr8	113142668	113142874	313	< 0.001	113142706	no
Ddx11	431	4.68	chr17	66473037	66473247	358	< 0.001	66473251; 66473251	yes
Elf1	432	4.67	chr14	79880949	79880994	-28	< 0.001	79880905	no
Gabra4	433	4.65	chr5	72048292	72049893	-128	< 0.001	72048197	no
Inpp5f	433	4.65	chr7	135754416	135754595	-306	< 0.001	135754416	no
Sncap	433	4.65	chr18	52927766	52927928	426	< 0.001	52927894	yes
Serinc2	433	4.65	chr4	129951574	129951804	1052	< 0.001	N/A	no
Usp11	434	4.64	chrX	20281290	20281663	281	< 0.001	20281800	yes
Scd2	434	4.64	chr19	44369288	44369339	737	< 0.001	44369383; 44369383	yes
Dyrk2	434	4.64	chr10	118306688	118306740	-755	< 0.001	118306688	no
Pin1	435	4.63	chr9	20456272	20456457	-139	< 0.001	20456633	yes
Gpr124	435	4.63	chr8	28196115	28196276	-174	< 0.001	28195981, 28196047, 28196108	no
Socs1	435	4.63	chr16	10785131	10785901	-89	< 0.001	10785388, 10785683, 10785382	no
Ddx5	436	4.62	chr11	106649658	106649703	128	< 0.001	106649927	yes
Mgat4b	436	4.62	chr11	50038324	50038496	-787	< 0.001	50038383; 50038386	yes
Zfp238	436	4.62	chr1	179373229	179372896	-1539	< 0.001	179373501	yes
Aprt	436	4.62	chr8	125100387	125100793	287	< 0.001	125100387	no
Hoxa10	436	4.62	chr6	52184912	52185132	10	< 0.001	52184769, 52184753, 52184775	no
Ccn11	437	4.61	chr3	65761070	65762137	819	< 0.001	65761814; 65762188; 65762188; 65761604; 65761603	yes
Hdac2	437	4.61	chr10	36695100	36695015	431	< 0.001	36695414; 36695506; 36695506	yes
Ptov1	437	4.61	chr7	52124141	52124739	580	< 0.001	52124221; 52124536	yes

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
4933421E11Rik	437	4.61	chr3	106524955	106525012	385	< 0.001	106524942, 106525051	no
B3gnt2	438	4.6	chr11	22759831	22760338	-174	< 0.001	22759950; 22760186	yes
Klf15	438	4.6	chr6	90412019	90412286	-361	< 0.001	90412019	no
Nin	438	4.6	chr12	71212459	71212907	-8641	< 0.001	71212835; 71212643; 71212838	yes
Spag8	439	4.59	chr4	43664480	43664525	1922	< 0.001	43664480	no
ENSMUST0000010037.3.1	439	4.59	chr2	20890076	20890420	-478	< 0.001	20890468; 20890467	yes
Enpp1	440	4.58	chr10	24432089	24432016	-85	< 0.001	24432175; 24432178	yes
Peaf	440	4.58	chr17	53706456	53706912	251	< 0.001	53706746; 53706746; 53706897	yes
Galnt7	441	4.57	chr8	60131634	60131795	28	< 0.001	60131709	yes
Cd302	441	4.57	chr2	60121880	60122312	573	< 0.001	60122461	yes
1810030007Rik	441	4.57	chrX	12250526	12250936	124	< 0.001	12250837, 12250716, 12250681	no
Bbc3	441	4.57	chr7	16895637	16896014	1002	< 0.001	16895648, 16895752, 16895620, 16895617, 16895604, 16895623	no
Agpat3	442	4.56	chr10	77815379	77815697	-957	< 0.001	77815380; 77815380	yes
Dync1li2	442	4.56	chr8	106966424	106966469	459	< 0.001	106966424	no
Lrrc42	442	4.56	chr4	106925356	106925582	578	< 0.001	106925504	no
BC005537	443	4.55	chr13	24893097	24893700	29	< 0.001	24893795; 24893819; 24893818	yes
Gse1	443	4.55	chr8	123012258	123012445	-483	< 0.001	123012066	no
Nrf1	443	4.55	chr6	29998820	29999001	991	< 0.001	29998703, 29998642, 29998621, 29998935	no
Wdtd1	444	4.54	chr4	132895180	132895419	28	< 0.001	132895288	yes
Bai1	444	4.54	chr15	74346178	74346878	45	< 0.001	74346905; 74346446; 74346445	yes
Usp5	444	4.54	chr6	124779296	124779341	147	< 0.001	124779296	no
C1stn1	445	4.53	chr4	148961706	148961926	1154	< 0.001	148962108; 148962107	yes
Siah2	445	4.53	chr3	58496413	58496813	-354	< 0.001	58496532; 58496532; 58496678; 58496532	yes
D030011010Rik	445	4.53	chr6	149049572	149049775	606	< 0.001	149049572	no
Ube2r2	445	4.53	chr4	41083112	41083452	81	< 0.001	41083355, 41083085, 41083071, 41083088, 41082965	no
Lfng	446	4.52	chr5	141082442	141082654	-663	< 0.001	141082691	yes
Stau1	446	4.52	chr2	166820990	166821445	590	< 0.001	166821315	no
Crsp2	447	4.51	chrX	12339112	12339644	-35	< 0.001	12339477	yes
Orc3l	447	4.51	chr4	34561937	34562092	233	< 0.001	34561937	no
Olfrl323	447	4.51	chrX	47365442	47365704	-2060	< 0.001	N/A	no
Tpm4	448	4.5	chr8	74659216	74659364	152	< 0.001	74659334	yes
Impa2	448	4.5	chr18	67449049	67449094	196	< 0.001	67449418; 67449418	yes
2610027C15Rik	448	4.5	chr4	125824948	125825193	-276	< 0.001	125825093	no
Baz2b	448	4.5	chr2	59963598	59963648	174	< 0.001	59963538, 59963478, 59963486	no
Gas1	448	4.5	chr13	60278795	60278852	-98	< 0.001	60278788	no
Sod3	448	4.5	chr5	52754533	52755360	-370	< 0.001	52755137, 52754912	no
Usp9x	448	4.5	chrX	12649526	12650318	1083	< 0.001	12650481; 12650458; 12650007; 12650006	yes
Fusip1	448	4.5	chr4	135411913	135412846	202	< 0.001	135412431; 135412623	yes
Anks1	449	4.49	chr17	28046337	28046723	76	< 0.001	28046406	yes
Rad54l2	450	4.47	chr9	106690522	106690861	998	< 0.001	106690705	yes
Cdh11	450	4.47	chr8	105309277	105309691	-489	< 0.001	105309162	no
Itga5	450	4.47	chr15	103196073	103196778	704	< 0.001	103196375, 103195967	no
Kcns3	450	4.47	chr12	11157270	11157846	-351	< 0.001	11157463, 11157085, 11157079	no
Rmnd1	450	4.47	chr10	5916639	5916878	2460	< 0.001	5916730	no
Kcns2	451	4.46	chr15	34767119	34767825	7	< 0.001	34767467	yes
Ras110b	451	4.46	chr11	83223001	83223225	-549	< 0.001	83223149, 83223042, 83223158, 83223049	no
Egff9	451	4.46	chr17	46434422	46434467	75	< 0.001	N/A	no
Fbxo32	452	4.45	chr15	58046562	58046916	-345	< 0.001	58046483, 58046485, 58046477, 58046482	no
Lcorl	452	4.45	chr5	46247624	46247838	144	< 0.001	46247624	no
Prr15	452	4.45	chr6	54277297	54277992	505	< 0.001	54277864, 54277229	no
BC057022	453	4.44	chr5	115021439	115021484	3203	< 0.001	115021825	yes
Cltc	453	4.44	chr11	86571183	86571860	-560	< 0.001	86571797	yes
Hoxa4	453	4.44	chr6	52140959	52141019	713	< 0.001	52141133, 52141131, 52141115	no
Plekha2	453	4.44	chr8	26212043	26212088	138	< 0.001	26212256	no
Lrp8	453	4.44	chr4	107474320	107474547	-517	< 0.001	N/A	no
Thns12	453	4.44	chr6	71093909	71094057	437	< 0.001	N/A	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Gnai1	454	4.43	chr5	17866634	17866916	-430	< 0.001	17866682; 17866682	yes
AW548124	454	4.43	chr17	83613490	83614123	-644	< 0.001	83613586	no
Car15	454	4.43	chr16	17835728	17836105	2389	< 0.001	17835728	no
Man1a	454	4.43	chr10	53796079	53796318	-504	< 0.001	53796227	no
Mtss1	454	4.43	chr15	58912323	58912527	1046	< 0.001	58912428	no
Wdr1	454	4.43	chr5	38952316	38952472	492	< 0.001	38952226	no
Hmga2	454	4.43	chr10	119911676	119911836	2293	< 0.001	119911802	yes
Slc6a9	455	4.42	chr4	117507699	117508024	13	< 0.001	117508003	yes
Rrad	455	4.42	chr8	107154872	107155237	325	< 0.001	107154872	no
Arid1a	455	4.42	chr4	133313088	133313593	-3590	< 0.001	N/A	no
Cys1	455	4.42	chr12	25365988	25366336	349	< 0.001	N/A	no
Cd24a	456	4.41	chr10	43298507	43299162	166	< 0.001	43299079; 43299023; 43299395; 43299395	yes
Slc2a12	456	4.41	chr10	22364807	22365200	242	< 0.001	22365400	yes
Epn3	456	4.41	chr11	94360501	94361087	485	< 0.001	94360319; 94360324; 94361026; 94360330	no
Scamp1	456	4.41	chr13	95055651	95055704	-442	< 0.001	95055651	no
Runx1	457	4.4	chr16	92697152	92697330	399	< 0.001	92697394; 92697394	yes
2310016M24Rik	457	4.4	chr15	99555501	99555561	-546	< 0.001	99555501	no
Narg1	457	4.4	chr3	51220820	51220866	780	< 0.001	51220820	no
Spsb4	458	4.39	chr9	96918644	96919073	-126	< 0.001	96918900	yes
Ppp2r5e	458	4.39	chr12	76696396	76696950	387	< 0.001	76696572; 76696893; 76696575; 76696569	yes
Dusp4	458	4.39	chr8	35870340	35870515	-171	< 0.001	35870340	no
Ptpn5	459	4.38	chr7	54387791	54388490	780	< 0.001	54387980; 54388353	yes
Sgcb	459	4.38	chr5	74042368	74042911	-3614	< 0.001	74042818	yes
Gpr126	460	4.37	chr10	14264835	14265035	-170	< 0.001	14265165	yes
Mettl9	460	4.37	chr7	128177892	128178229	94	< 0.001	128178330; 128178333	yes
St6galnac5	460	4.37	chr3	152644009	152644662	947	< 0.001	152644267; 152644474	yes
Utx	460	4.37	chrX	17741044	17741577	1755	< 0.001	17741350; 17741330	no
Megf9	461	4.36	chr4	70197620	70197929	-1688	< 0.001	70197620	no
Wdr46	461	4.36	chr17	34078066	34078111	421	< 0.001	34078066	no
Mical1	462	4.35	chr10	41197249	41197180	1216	< 0.001	41197354	yes
Patz1	462	4.35	chr11	3192132	3192053	1564	< 0.001	3192132	no
BC030378	462	4.35	chr15	96471902	96472318	-252	< 0.001	96472157	yes
Kcnk3	462	4.35	chr5	30889596	30889990	-576	< 0.001	N/A	no
Smad6	463	4.34	chr9	63870056	63870384	-1103	< 0.001	63870022; 63870008	no
Edg5	464	4.33	chr9	20780150	20780678	917	< 0.001	20780611; 20780610	yes
Ankrd15	465	4.32	chr19	25312676	25312951	1235	< 0.001	25312676	no
Yrdc	465	4.32	chr4	124527182	124527556	-821	< 0.001	124527182	no
Gpr45	466	4.31	chr1	43010157	43010377	373	< 0.001	43010862	yes
Ifngr1	466	4.31	chr10	19311282	19311334	-455	< 0.001	19311669; 19311672	yes
Mertk	466	4.31	chr2	25312676	128524274	-484	< 0.001	25312676	no
Parva	466	4.31	chr7	124527182	119571581	173	< 0.001	124527182	no
Zfp691	466	4.31	chr4	25312676	118846562	165	< 0.001	25312676	no
1700020C11Rik	467	4.3	chr11	3995090	3995361	97	< 0.001	3995404; 3995404	yes
Ttyh2	467	4.3	chr11	114537181	114537451	423	< 0.001	114537181	no
Ubr1	467	4.3	chr2	120795970	120796254	219	< 0.001	120795970	no
Spa17	468	4.29	chr9	37420985	37421191	191	< 0.001	37421131	yes
Zc3h7a	468	4.29	chr16	11176059	11176248	299	< 0.001	11176397	yes
Cacng2	468	4.29	chr15	77950039	77950203	-470	< 0.001	77949972; 77949969; 77950005	no
Cdh22	468	4.29	chr2	165061020	165061440	-1029	< 0.001	165061020	no
Uchl3	468	4.29	chr14	102052989	102053160	-168	< 0.001	N/A	no
Lrrc8b	469	4.28	chr5	105844006	105844619	-531	< 0.001	105844006	no
Dnm1	469	4.28	chr2	32173566	32174026	35236	< 0.001	N/A	no
0710008K08Rik	470	4.27	chr8	11497566	11497847	119	< 0.001	11497817	yes
Fhod1	470	4.27	chr8	107870866	107871140	713	< 0.001	107870866	no
Gsto1	471	4.26	chr19	47929479	47929653	24	< 0.001	47929639	yes
Sipa1	471	4.26	chr19	5663337	5663386	258	< 0.001	5663337	no
D15Mgi27	471	4.26	chr15	102100868	102101071	-8838	< 0.001	102101133; 102101136	yes
D1Erd622e	472	4.25	chr1	99558143	99558073	136	< 0.001	99558486	yes
Tmem106c	473	4.24	chr15	97794876	97795060	329	< 0.001	97795032; 97794879	yes
Dmpk	473	4.24	chr7	19668310	19669086	-1006	< 0.001	N/A	no
Cyp2d22	474	4.22	chr15	82210496	82210651	-4067	< 0.001	82210496	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Gria3	474	4.22	chrX	38753273	38753324	-1182	< 0.001	38753273	no
Shoc2	474	4.22	chr19	54018617	54018809	-584	< 0.001	54018617	no
Cebpa	475	4.21	chr7	35903869	35903922	-415	< 0.001	35904248	yes
Zfp503	475	4.21	chr14	22805389	22805704	3304	< 0.001	22805652; 22805655; 22805670; 22805669	yes
Notch1	475	4.21	chr2	26358537	26358854	325	< 0.001	26359271; 26358729; 26358729	yes
Osbpl9	475	4.21	chr4	108790484	108790529	18	< 0.001	108790834	yes
Fgf20	475	4.21	chr8	41371379	41371618	465	< 0.001	N/A	no
Zc3h13	476	4.2	chr14	75683917	75684379	-235	< 0.001	75684188; 75684342; 75684342; 75684188	yes
Adprh	476	4.2	chr16	38452240	38452536	370	< 0.001	38452240	no
Col4a3bp	476	4.2	chr13	97312886	97312931	208	< 0.001	97312951, 97313081, 97312962, 97312945, 97312948	no
Calm2	477	4.19	chr17	87845920	87846305	113	< 0.001	87846085; 87846853; 87846852	yes
Icam5	477	4.19	chr9	20836015	20836466	-205	< 0.001	20836132; 20836132	yes
Zbtb1	477	4.19	chr12	77471356	77471994	126	< 0.001	77471492, 77470990, 77470909, 77471414, 77471098, 77471447, 77470924, 77471404, 77471298, 77471129	no
Satb1	478	4.18	chr17	51972864	51973092	-1108	< 0.001	51973185; 51973185	yes
Cul5	478	4.18	chr9	53475432	53475477	128	< 0.001	53475802	yes
Mtag2	478	4.18	chr7	52622935	52623318	-784	< 0.001	52623071; 52623070	yes
Kcnj2	479	4.17	chr11	110926612	110926888	-835	< 0.001	110926612	no
Rbbp5	480	4.16	chr1	134373612	134373829	-144	< 0.001	134374121	yes
Cic	480	4.16	chr7	26068017	26068199	845	< 0.001	26068017	no
Fzd10	480	4.16	chr5	129105459	129106137	-1054	< 0.001	129105459	no
Rnf180	480	4.16	chr13	106084400	106084445	-1328	< 0.001	106084722	yes
Gnb4	481	4.15	chr3	32515791	32515988	-505	< 0.001	32515921	yes
Lgals1	481	4.15	chr15	78758690	78758884	1560	< 0.001	78758983	yes
Zfp637	482	4.14	chr6	117791617	117791847	387	< 0.001	117791705	yes
2210412D01Rik	482	4.14	chr7	91300289	91300334	91	< 0.001	91300465, 91300171	no
Slc25a5	482	4.14	chrX	34336171	34336330	548	< 0.001	34336171	no
Dpysl5	483	4.13	chr5	31014236	31014676	191	< 0.001	31014561; 31014560	yes
Lass6	483	4.13	chr2	68699542	68699871	235	< 0.001	68699600	yes
Oaf	483	4.13	chr9	43047730	43048502	-245	< 0.001	43047750; 43048380	yes
Camk2g	483	4.13	chr14	21612948	21613162	170	< 0.001	21613038, 21613008, 21612883, 21612779	no
Gabra1	483	4.13	chr11	41996285	41996085	117	< 0.001	41995762, 41996415	no
Tial1	483	4.13	chr7	135604204	135604249	801	< 0.001	135604204	no
Pcdcd4	484	4.12	chr19	53978213	53978607	11858	< 0.001	53978447; 53978446	yes
Phldb1	484	4.12	chr9	44543144	44543809	-111	< 0.001	44543647	yes
Gm962	484	4.12	chr19	5568063	5568108	13	< 0.001	5567955, 5567929, 5567821, 5568006, 5567981	no
M6prbp1	484	4.12	chr17	56429044	56429922	191	< 0.001	56429044	no
Tmem142a	484	4.12	chr5	123465983	123466255	930	< 0.001	123465983	no
Tgfb1	484	4.12	chr13	56710721	56710887	-99	< 0.001	N/A	no
Dusp7	485	4.1	chr9	106270464	106270690	-296	< 0.001	106270464	no
Msi2	485	4.1	chr11	88578858	88579090	481	< 0.001	88578858	no
Prep	485	4.1	chr7	100023176	100023362	-466	< 0.001	100022993, 100023033	no
Robo2	485	4.1	chr16	74411465	74412068	-538	< 0.001	74411931	yes
Ep400	486	4.09	chr5	111200099	111200144	-386	< 0.001	111200289	yes
ENSMUST0000008365.8.1	486	4.09	chr18	61812765	61813570	-4632	< 0.001	N/A	no
Dhrs3	487	4.08	chr4	144482503	144482558	-449	< 0.001	144482503	no
Mgat1	487	4.08	chr11	49058202	49058422	-2748	< 0.001	49057969, 49057741, 49058255	no
Tnfrsf1a	487	4.08	chr6	125300164	125300639	730	< 0.001	125300164	no
Tsga2	487	4.08	chr17	31414099	31414251	75	< 0.001	31414099	no
Lrba	488	4.07	chr3	86027336	86027802	-955	< 0.001	N/A	no
Trp73	489	4.06	chr4	153514287	153514332	7	< 0.001	153514464; 153514463	yes
Tgfb1	489	4.06	chr7	26472469	26473055	635	< 0.001	26472469	no
Socs3	490	4.05	chr11	117830448	117831034	-536	< 0.001	117831052; 117830972	yes
Nfil3	491	4.04	chr13	53075458	53075958	476	< 0.001	53075587	yes
C430014K11Rik	491	4.04	chr15	98662411	98663415	-720	< 0.001	98662411	no
Fem1b	492	4.03	chr9	62659838	62660122	-518	< 0.001	62660230	yes
Twist1	492	4.03	chr12	34643154	34643388	641	< 0.001	34643337; 34643280; 34643280	yes

Supplemental Table 4. Summary Statistics of WT1 ChIP-chip Peaks and Motif Discovery.

Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Camta2	492	4.03	chr11	70483346	70483551	18062	< 0.001	N/A	no
Slc25a19	492	4.03	chr11	115476279	115476339	13144	< 0.001	N/A	no
Centg2	493	4.02	chr1	91351073	91350809	-472	< 0.001	91351006, 91351054	no
Enpep	493	4.02	chr3	129035572	129035747	73	< 0.001	129035572	no
Aqp11	494	4.01	chr7	104886416	104886762	17	< 0.001	104886779; 104886779	yes
Gpre5c	494	4.01	chr11	114712308	114712705	-314	< 0.001	114712314; 114712721; 114712720	yes
Prdx5	494	4.01	chr19	6983822	6984079	286	< 0.001	6984372; 6984375	yes
Fcho1	494	4.01	chr8	74249221	74249419	302	< 0.001	74249221	no
Slc9a3r2	494	4.01	chr17	24786885	24787046	-5122	< 0.001	24786885	no
I500004A08Rik	495	4	chr11	3232268	3232459	1703	< 0.001	3232268	no
Gng12	495	4	chr6	66846685	66846953	481	< 0.001	66846685	no
Rbpms2	495	4	chr9	65477991	65478163	-367	< 0.001	65477918, 65477924, 65477915	no
Qk	495	4	chr17	10512925	10513269	-229	< 0.001	10513115; 10513347	yes
C78409	495	4	chr10	126617542	126617072	9807	< 0.001	126618161; 126618160	yes
Fbxl14	495	4	chr6	119429216	119429735	-275	< 0.001	119429632; 119429893; 119429500	yes
Mtdh	496	3.99	chr15	34012013	34012204	-291	< 0.001	34012013	no
Nr1i2	496	3.99	chr16	38295612	38295868	-930	< 0.001	38295612	no
Rev3l	497	3.98	chr10	39451113	39451421	-829	< 0.001	39451547; 39451495; 39451495	yes
Acss1	497	3.98	chr2	150493460	150493885	271	< 0.001	150493460	no
Map3k12	497	3.98	chr15	102347067	102347112	153	< 0.001	102347501, 102347459, 102347108	no
Klh2	497	3.98	chr8	67374469	67374624	-782	< 0.001	N/A	no
Kpna4	498	3.97	chr3	68931187	68931232	-196	< 0.001	68931187	no
Smo	498	3.97	chr6	29685666	29686165	328	< 0.001	29685624, 29685622, 29685620, 29685591, 29685589, 29685625, 29685628, 29685623, 29685626	no
Wbscr16	498	3.97	chr5	134652198	134652422	237	< 0.001	134652198	no
Ppm1e	499	3.96	chr11	87171290	87171994	890	< 0.001	87171459; 87171459	yes
Dnajb12	499	3.96	chr10	59342424	59342469	108	< 0.001	59342424	no
Lmbrd1	500	3.95	chr1	24685213	24685422	18	< 0.001	24685565	yes
BC057627	501	3.94	chr7	16986075	16986231	-439	< 0.001	16986207, 16986172	no
Erc2	501	3.94	chr14	28435955	28436188	351	< 0.001	28435802, 28435922	no
Atp6v1f	502	3.93	chr6	29417825	29418213	202	< 0.001	29417964; 29417964	yes
Gabpb1	502	3.93	chr2	126501010	126501295	186	< 0.001	126501314	yes
Pdzd4	503	3.92	chrX	71070453	71070732	-168	< 0.001	71070525	yes
Bcl10	503	3.92	chr3	145587439	145587956	591	< 0.001	145587914, 145587744, 145587738	no
Ss18l1	504	3.91	chr2	179777224	179777717	341	< 0.001	179777608; 179777611	yes
E130310K16Rik	504	3.91	chr4	20705805	20706116	-277	< 0.001	20705805	no
Grm7	504	3.91	chr6	110595642	110595790	177	< 0.001	110595642	no
Sema3f	504	3.91	chr9	107609828	107610571	2954	< 0.001	107609828	no
Slc45a3	504	3.91	chr1	133868973	133869172	1811	< 0.001	133868973	no
Mat2b	505	3.9	chr11	40505902	40505837	191	< 0.001	40505902	no
Pter	506	3.89	chr2	12845700	12845745	55	< 0.001	12845700	no
Zfp142	506	3.89	chr1	74634217	74634404	220	< 0.001	74634461	yes
Smurf2	507	3.88	chr11	106781142	106781549	335	< 0.001	106781142	no
Dill1	508	3.87	chr17	15512518	15513430	0	< 0.001	15513054	yes
Tbc1d10a	509	3.86	chr11	4086908	4087084	227	< 0.001	4087002	yes
Etfb	509	3.86	chr7	50699045	50699100	-440	< 0.001	50699045	no
Ucp2	509	3.86	chr7	107642264	107642784	557	< 0.001	107642264	no
Enah	510	3.85	chr1	183949274	183949458	679	< 0.001	183949373	yes
H3f3a	510	3.85	chr1	182744336	182744381	-624	< 0.001	182744336	no
Rcc2	511	3.84	chr4	140258422	140259215	1554	< 0.001	140259129; 140258559	yes
Itga3	511	3.84	chr11	94937831	94938562	-504	< 0.001	94937831	no
Crtc1	512	3.83	chr8	72962605	72963289	568	< 0.001	72963469; 72963472	yes
Ctbp2	512	3.83	chr7	140313851	140314515	878	< 0.001	140314975; 140314975; 140314137	yes
Gli3	512	3.83	chr13	15554941	15555462	-299	< 0.001	15555284; 15555284	yes
Adamts18	512	3.83	chr8	116372745	116373043	-281	< 0.001	116372906	yes
Ddx50	513	3.82	chr10	62114274	62114457	-78	< 0.001	62115221; 62115224	yes
Chr11	513	3.82	chr11	103993958	103994849	491	< 0.001	103994224; 103994224	yes
A230074B11Rik	513	3.82	chr1	37086340	37086528	340	< 0.001	37086289, 37086090	no
Cry2	514	3.81	chr2	92274279	92274671	-415	< 0.001	92274688	yes

Supplemental Table 4. Summary Statistics of WT1 ChIP-chip Peaks and Motif Discovery.

Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Clef1	515	3.8	chr19	4214010	4214749	-93	< 0.001	4214728; 4214731	yes
Rgma	515	3.8	chr7	80519767	80520067	-365	< 0.001	80520030	yes
Galnt11	515	3.8	chr5	24728812	24729006	274	< 0.001	24728784; 24728901	no
Gtpbp3	515	3.8	chr8	74009933	74010488	-1677	< 0.001	74009996; 74009920; 74009992; 74009874	no
Maged1	515	3.8	chrX	91786121	91786515	1093	< 0.001	91785946; 91786228; 91786424	no
Nfatc4	515	3.8	chr14	56443786	56444042	176	< 0.001	56443830; 56443759; 56443724; 56443622; 56443936	no
Cer10	515	3.8	chr11	101034756	101034962	1971	< 0.001	N/A	no
Pdpn	516	3.79	chr4	142888759	142889091	454	< 0.001	N/A	no
Mllt3	517	3.78	chr4	87677901	87678193	1386	< 0.001	87677952; 87678171	yes
Hdlbp	517	3.78	chr1	95375092	95375391	125	< 0.001	95375185; 95374962	no
Sfrs7	518	3.77	chr17	80606235	80606426	221	< 0.001	80606560; 80606563	yes
Clqtnf7	518	3.77	chr5	43906881	43907173	85	< 0.001	43906881	no
Prss12	519	3.76	chr3	123149643	123150008	36	< 0.001	123150183; 123150013	yes
Insm1	519	3.76	chr2	146043905	146044069	-3802	< 0.001	146043838; 146043836; 146043108	no
Rapgef3	519	3.76	chr15	97597793	97598298	-1	< 0.001	97597748; 97598189	no
Tcf2	520	3.75	chr11	83666802	83666847	2454	< 0.001	83667045; 83667045	yes
Pgep1	521	3.73	chr8	73183037	73184206	166	< 0.001	73183067; 73183067	yes
4930543L23Rik	521	3.73	chr11	58977070	58977115	152	< 0.001	58977268; 58977232; 58977174; 58977235; 58977238; 58977244; 58977241	no
Hic1	521	3.73	chr11	74983538	74983708	-2031	< 0.001	74983538	no
Ppp1r1a	522	3.72	chr15	103367759	103368134	507	< 0.001	103367759	no
Sox4	522	3.72	chr13	29043054	29050299	2471	< 0.001	29050075; 29050064; 29043150; 29043041	no
6330512M04Rik	523	3.71	chr7	149557396	149557939	568	< 0.001	149557396	no
BC020002	523	3.71	chr6	8159471	8159622	266	< 0.001	8159471	no
9430078G10Rik	524	3.7	chr19	4397704	4397883	-783	< 0.001	N/A	no
Osbp16	525	3.69	chr2	76244452	76245242	232	< 0.001	76245410; 76245409	yes
Abcf2	525	3.69	chr5	24082546	24083087	295	< 0.001	24082546	no
BC021395	525	3.69	chr18	24688267	24688749	251	< 0.001	24688267	no
Copz2	525	3.69	chr11	96711201	96711578	195	< 0.001	96711154; 96711240; 96711280; 96711257; 96711268	no
D130059P03Rik	525	3.69	chr6	38383301	38383498	-448	< 0.001	38383301	no
Igfbp6	525	3.69	chr15	101974940	101975408	554	< 0.001	101973868; 101975101	no
Ptgs1	525	3.69	chr2	36085913	36085958	-9	< 0.001	36085913	no
Dek	526	3.68	chr13	47200560	47201480	640	< 0.001	47200719; 47201562	yes
Tmsb4x	526	3.68	chrX	163645680	163646772	1440	< 0.001	163645940; 163646649; 163645943	yes
Adamts19	527	3.67	chr18	58997329	58997518	1079	< 0.001	58997691; 58997691	yes
BC005764	527	3.67	chr10	79336789	79337086	315	< 0.001	79337293; 79337399	yes
Hexim1	527	3.67	chr11	102977872	102977922	259	< 0.001	102977872	no
Trap1	528	3.66	chr16	4077929	4077979	-144	< 0.001	4078034	yes
Gfra1	529	3.65	chr19	58528940	58529251	-132	< 0.001	58529353	yes
1200009O22Rik	529	3.65	chr6	53771016	53771062	-351	< 0.001	53770994; 53770988	no
9930021D14Rik	529	3.65	chr17	24610550	24611004	-32	< 0.001	24610550	no
Tspan4	529	3.65	chr7	148662496	148662544	1382	< 0.001	148662496	no
Anapc5	530	3.64	chr5	123271427	123271478	-104	< 0.001	N/A	no
Foxd2	531	3.63	chr4	114580611	114581050	475	< 0.001	114580517; 114580542	no
lkbke	531	3.63	chr1	133173777	133173957	2336	< 0.001	133173777	no
Hmg20b	532	3.62	chr10	80812912	80813089	89	< 0.001	80813537	yes
Sfrs9	532	3.62	chr5	115777146	115777191	-17	< 0.001	115777338; 115777408; 115777458; 115777458	yes
Tbl2	532	3.62	chr5	135625600	135625863	42	< 0.001	135625733	yes
Clic1	532	3.62	chr17	35187226	35187271	61	< 0.001	35187134; 35187335; 38825161; 38825381; 38825167	no
Hipk2	532	3.62	chr6	38825227	38826773	-561	< 0.001	38826790; 38826669	no
Aftph	533	3.6	chr11	20641433	20641726	31	< 0.001	20641730; 20641729; 20641745; 20641744	yes
Hpc4	533	3.6	chr4	128798571	128798746	-2722	< 0.001	128798822; 128798825	yes
Arf3	533	3.6	chr15	98593655	98593700	-129	< 0.001	98592726; 98593446; 98593440; 98593437; 98592577; 98593011; 98593085; 98593209; 98592929; 98592485	no
BC055324	533	3.6	chr1	165924509	165924671	265	< 0.001	165924509	no
Lrn3	533	3.6	chr12	42211651	42212093	660	< 0.001	42211651	no
Slc9a2	533	3.6	chr1	40737661	40737835	-746	< 0.001	40737661	no
Trpm4	534	3.59	chr7	52588589	52588811	362	< 0.001	52588589	no
Ifngr2	535	3.58	chr16	91546993	91547369	-315	< 0.001	91547448; 91547448	yes
Irf3	535	3.58	chr7	52256148	52256376	3141	< 0.001	52256472; 52256472	yes
Efnal	535	3.58	chr3	89083818	89084174	-282	< 0.001	89083818	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Slc12a4	535	3.58	chr8	108489489	108489726	427	< 0.001	108489489	no
Lmna	535	3.58	chr3	88305881	88306466	-8897	< 0.001	88306256	yes
Eif1a	536	3.57	chr18	46757254	46757753	125	< 0.001	46757505	yes
Arhgef7	536	3.57	chr8	11758430	11758673	123	< 0.001	11758760; 11758493; 11758766	yes
Ntn4	537	3.56	chr10	93103940	93103985	17	< 0.001	93104038; 93104038	yes
Hk2	537	3.56	chr6	82722578	82723248	1554	< 0.001	82722578	no
Fzd4	538	3.55	chr7	96552793	96552838	-87	< 0.001	96553040; 96553043	yes
Hlfx	538	3.55	chr6	87930395	87930780	1058	< 0.001	87930851; 87930560	yes
Smek1	538	3.55	chr12	102321738	102321783	-150	< 0.001	102322025; 102322025	yes
Hectd2	538	3.55	chr19	36628499	36628992	-747	< 0.001	36628499	no
Dlat	539	3.54	chr9	50467607	50468021	23	< 0.001	50468015	yes
Irf2	539	3.54	chr8	47825107	47825305	33	< 0.001	47825069; 47825053	no
Orc4l	539	3.54	chr2	48805177	48805467	-545	< 0.001	48805008; 48805100	no
Hmgal	539	3.54	chr17	27694412	27694630	908	< 0.001	27694589; 27694630	yes
Yap1	540	3.53	chr9	8003576	8003912	982	< 0.001	8003888	yes
Cgnl1	540	3.53	chr9	71619204	71619249	183	< 0.001	71619330; 71619330	yes
Atf2	540	3.53	chr2	73730863	73731396	-476	< 0.001	73731039; 73731269; 73731269; 73731039; 73731249	yes
Sbno2	540	3.53	chr10	79564908	79565120	349	< 0.001	79564908	no
Vps26b	540	3.53	chr9	26836819	26837012	652	< 0.001	26836819	no
BCO62109	541	3.52	chr5	100587581	100587632	1221	< 0.001	100587581	no
Sync	541	3.52	chr4	128964591	128964858	-250	< 0.001	128964458; 128964456; 128964773; 128964544; 128964744; 128964486; 128964788	no
Nr4a2	541	3.52	chr2	56967817	56967862	-174	< 0.001	56967833	yes
Smarca5	542	3.51	chr8	83262579	83262637	750	< 0.001	83262667	yes
Timm8b	542	3.51	chr9	50412490	50412550	515	< 0.001	50412500	yes
Dkk1	542	3.51	chr19	30624062	30624253	-98	< 0.001	30624007; 30624118	no
Rbm4b	543	3.49	chr19	4756056	4756312	-234	< 0.001	4756056	no
Rce1	543	3.49	chr19	4625115	4625283	357	< 0.001	4625115	no
Rara	543	3.49	chr11	98800369	98800602	1566	< 0.001	98800563	yes
Pi4k2a	544	3.48	chr19	42164890	42165423	476	< 0.001	42164982; 42164781; 42165191; 42165104	yes
Usp21	545	3.47	chr1	173218313	173218362	-281	< 0.001	173218313	no
Rbp1	546	3.46	chr9	98322119	98322488	-1089	< 0.001	98322119	no
Als2cr4	547	3.45	chr1	59176967	59177012	-50	< 0.001	59177242	yes
Arl6ip6	548	3.44	chr2	53051317	53051566	196	< 0.001	53051391	yes
Vdr	548	3.44	chr15	97738015	97738571	179	< 0.001	97738601; 97738601	yes
Svil	549	3.43	chr18	4921809	4922006	1420	< 0.001	4922091	yes
Ube2c	550	3.42	chr2	164595335	164595380	-70	< 0.001	164595746	yes
Nrd1	550	3.42	chr4	108673549	108673747	315	< 0.001	108673553; 108673553	yes
Tomm20	550	3.42	chr8	129468612	129468775	984	< 0.001	129468612	no
Rab3a	550	3.42	chr8	73278541	73278586	-844	< 0.001	73278841; 73278840	yes
Dock11	551	3.41	chrX	33429456	33429699	654	< 0.001	33429535	yes
Hoxd3	551	3.41	chr2	74578842	74578900	28822	< 0.001	74578949; 74578948	yes
Tbcc	551	3.41	chr17	47026766	47027173	-775	< 0.001	47026948	yes
I110059P08Rik	551	3.41	chr10	14425387	14425445	-121	< 0.001	14425387	no
Pla2g12a	551	3.41	chr3	129581951	129581996	-2127	< 0.001	N/A	no
Srebf2	552	3.4	chr15	81977689	81977844	124	< 0.001	81977976; 81977975	yes
Kif2a	552	3.4	chr13	107811684	107811851	366	< 0.001	107811684	no
Map3k1	552	3.4	chr13	112599486	112599961	-747	< 0.001	112599486	no
Nradd	553	3.38	chr9	110526725	110527161	31	< 0.001	110527205	yes
Fasn	553	3.38	chr11	120685592	120686117	63	< 0.001	120685960; 120685501; 120685630; 120685718; 120685652	no
Grec10	553	3.38	chr6	124690842	124690887	233	< 0.001	124690842	no
Ugp2	553	3.38	chr11	21271281	21270990	-490	< 0.001	21271211; 21271335; 21270939; 21270882; 21271397	no
Tmem86a	554	3.37	chr7	54306288	54306567	301	< 0.001	54306526; 54306525	yes
D11Bwg0517e	554	3.37	chr11	118769006	118769363	1852	< 0.001	N/A	no
Csnk2a1	555	3.36	chr2	152052291	152052336	-261	< 0.001	152052291	no
Pdlim4	555	3.36	chr11	53882568	53882434	244	< 0.001	53882568	no
Phka1	556	3.35	chrX	99839836	99839886	-276	0.01	99840206; 99840206	yes
Sh3glb1	556	3.35	chr3	144382973	144383018	291	< 0.001	144383376	yes
Atf3	556	3.35	chr1	193007729	193007774	-540	< 0.001	193007688; 193007850	no
Six2	557	3.34	chr17	86088110	86088338	-551	< 0.001	86088110	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Mlst2	558	3.33	chr7	120657497	120657542	145	< 0.001	120657759; 120657791; 120657762	yes
Tex2	558	3.33	chr11	106473732	106473908	360	< 0.001	106473732	no
Neo1	558	3.33	chr9	58883355	58883809	602	< 0.001	N/A	no
Trpc4	559	3.32	chr3	53959829	53960072	-173	< 0.001	53960141	yes
Pias3	559	3.32	chr3	96500489	96500536	-2833	< 0.001	N/A	no
Nptx1	560	3.31	chr11	119408322	119408368	789	< 0.001	119408322	no
Rbbp7	560	3.31	chrX	159197594	159197654	-679	< 0.001	159197978, 159197987, 159197975, 159198056, 159197969, 159197981, 159197972, 159197984	no
Cd151	560	3.31	chr7	148653743	148653993	-721	< 0.001	148653907	yes
Eif2c1	560	3.31	chr4	126145099	126145144	543	< 0.001	N/A	no
Dbi	561	3.3	chr1	122017064	122016936	410	< 0.001	122017064	no
Gadd45g	561	3.3	chr13	51940890	51941166	-919	< 0.001	51940890	no
Jub	561	3.3	chr14	55197111	55197289	-1007	< 0.001	55197111	no
1700040103Rik	561	3.3	chr6	85401101	85401146	118	< 0.001	85401640; 85401643	yes
Sqstm1	562	3.29	chr11	50023991	50024036	278	< 0.001	50023994; 50024218	yes
Fzd8	562	3.29	chr18	9212568	9212827	-116	< 0.001	N/A	no
Ier2	563	3.28	chr8	87184590	87185065	1716	< 0.001	87184590	no
2700081015Rik	564	3.27	chr19	7496954	7497452	2040	< 0.001	7497572	yes
Sema4g	564	3.27	chr19	45064365	45064697	838	< 0.001	45064646; 45064649	yes
Smpd1	565	3.26	chr7	112702921	112703261	194	< 0.001	112702921	no
Ctcf	565	3.26	chr8	108159946	108159991	-469	< 0.001	108160364; 108160363	yes
Boc	566	3.25	chr16	44558931	44558990	23	< 0.001	44559048, 44559034, 44559104, 44559107, 44559102, 44559105, 44559100	no
Kiss1r	566	3.25	chr10	79383229	79383277	3538	< 0.001	79383229	no
Selm	566	3.25	chr11	3417367	3417077	2689	< 0.001	N/A	no
Rybp	567	3.24	chr6	100237002	100237047	328	< 0.001	100237073; 100237348	yes
Bbx	567	3.24	chr16	50431167	50431354	1301	< 0.001	50431167	no
Frzb	567	3.24	chr2	80287642	80288229	-225	< 0.001	80287642	no
Nuak1	568	3.23	chr10	83903495	83903799	-78	< 0.001	83903880; 83903621	yes
Stx16	568	3.23	chr2	173900894	173900941	-1633	< 0.001	173901013, 173900790	no
2810002009Rik	568	3.23	chrX	92640105	92640511	-117	< 0.001	N/A	no
Rims2	569	3.22	chr15	39029769	39030067	165	< 0.001	39029796; 39030166; 39030165	yes
Dcbld2	569	3.22	chr16	58408637	58408682	13	< 0.001	58408734, 58408604	no
Syt12	569	3.22	chr19	4476572	4476880	285	< 0.001	4476572	no
Clock	570	3.21	chr5	76733017	76733063	533	< 0.001	76733174	yes
Sgtb	570	3.21	chr13	104900312	104900372	473	< 0.001	104900312	no
Tro	570	3.21	chrX	147091449	147091638	503	< 0.001	147091250, 147091251, 147091249, 147091253	no
Dhx29	570	3.21	chr13	113718231	113718282	256	< 0.001	N/A	no
Ar	571	3.19	chrX	95344313	95344358	-752	< 0.001	95344313	no
D15Wsu169e	571	3.19	chr15	76648086	76648131	473	< 0.001	76648086	no
Smarcc1	571	3.19	chr9	110034235	110034295	-262	< 0.001	110034167, 110034183, 110034181	no
Prkar2b	572	3.18	chr12	32745554	32745599	568	< 0.001	32745604, 32745741	no
Pcd6ip	572	3.18	chr9	113617010	113617055	193	< 0.001	113617113	yes
Ascl2	573	3.17	chr7	150154892	150154940	216	< 0.001	150154919	yes
Lcmt1	573	3.17	chr7	130521550	130521859	78	< 0.001	130521501, 130521512	no
Pfn2	573	3.17	chr3	57651976	57652021	-539	< 0.001	57651896, 57651852, 57651831	no
Til	573	3.17	chr2	128892133	128892188	433	< 0.001	128892331, 128892325	no
EG329763	574	3.16	chr3	137729003	137729052	1324	< 0.001	137729175	yes
Rbm35a	574	3.16	chr4	11314286	11314331	-378	< 0.001	11314550	yes
Unc84a	574	3.16	chr5	139676493	139676538	-107	< 0.001	139676493	no
B3gnt8	574	3.16	chr7	26412258	26412311	-358	< 0.001	26412332; 26412335	yes
1700012H17Rik	575	3.15	chr4	5571046	5571510	33	< 0.001	5571542	yes
Larp2	575	3.15	chr3	40753322	40753367	-1208	< 0.001	40753737; 40753742; 40753736	yes
Dnajc7	576	3.14	chr11	100480323	100480711	794	< 0.001	100480747; 100480750	yes
Nr0b1	576	3.14	chrX	83437053	83437098	-37	< 0.001	83437053	no
Atxn2l	577	3.13	chr7	133647017	133647062	-224	< 0.001	133647202; 133647428; 133647428	yes
Tspan5	577	3.13	chr3	138405783	138406005	648	< 0.001	138405976	yes
Klhl23	578	3.12	chr2	69660693	69660738	187	< 0.001	69661062; 69661062	yes
Zmat3	578	3.12	chr3	32264530	32264575	35	< 0.001	32264819; 32264819	yes
Sph1	579	3.11	chr19	44144104	44144514	-476	< 0.001	44144395	yes

Supplemental Table 4. Summary Statistics of WT1 ChIP-chip Peaks and Motif Discovery.

Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Lmx1b	579	3.11	chr2	33492022	33492082	3979	< 0.001	N/A	no
Perld1	579	3.11	chr11	98249743	98249790	12038	< 0.001	N/A	no
Ncoa7	580	3.09	chr10	30522818	30522713	223	< 0.001	30522991	yes
C230021P08Rik	580	3.09	chr15	99288146	99288191	11	< 0.001	99288146	no
Pfkl	581	3.08	chr10	77472235	77472281	283	< 0.001	77472524	yes
BC054817	581	3.08	chr8	55615454	55615499	-125	< 0.001	N/A	no
Top3b	582	3.07	chr16	16871155	16871200	195	< 0.001	16871211	yes
Fip1l1	582	3.07	chr5	74931848	74931893	329	< 0.001	74932188; 74932187	yes
Ccher1	582	3.07	chr17	35654277	35654322	240	< 0.001	35653835; 35653837	no
Fgf18	582	3.07	chr11	33048071	33048261	-694	< 0.001	33048071	no
Lhx1	582	3.07	chr11	84339400	84339799	-736	< 0.001	84339400	no
Mif4gd	582	3.07	chr11	115475848	115476198	-2359	< 0.001	115475848	no
Tep11l2	582	3.07	chr10	84039720	84040043	169	< 0.001	84039720	no
Mltl1	583	3.06	chr17	57074994	57075039	-205	< 0.001	57074994	no
Sh3pxd2a	583	3.06	chr19	47539365	47539423	-493	< 0.001	47539365	no
Pip5k1c	584	3.05	chr10	80756000	80756159	298	< 0.001	80756251; 80756137	yes
Tob1	584	3.05	chr11	94071952	94072012	-785	< 0.001	94071952	no
Lhx2	585	3.03	chr2	38206287	38206342	-513	0.01	38206287	no
Rpp25	585	3.03	chr9	57351125	57351185	-753	< 0.001	57351125	no
Atp11a	586	3.02	chr8	12756785	12756958	-79	< 0.001	12757075	yes
Dnajb5	586	3.02	chr4	42963544	42963777	-2399	< 0.001	42964161; 42964161; 42964071; 42963662; 42963662; 42964015	yes
Klf6	587	3.01	chr13	5860614	5860659	-98	< 0.001	5860918; 5860918	yes
Mapk1	588	2.99	chr16	16983413	16983591	-38	< 0.001	16983551	yes
Echdc3	589	2.98	chr2	6134339	6134384	-322	0.01	6134609	yes
Pea15	589	2.98	chr1	174137321	174137370	-434	0.01	174137321	no
Smyd3	589	2.98	chr1	181446979	181447039	1125	0.01	181446979	no
Llg1l	590	2.97	chr11	60512523	60512568	-795	< 0.001	60512695; 60512695	yes
I600021P15Rik	590	2.97	chr16	28930318	28930365	-558	< 0.001	28930318	no
Arhgap10	590	2.97	chr8	80041309	80041475	354	0.01	80041309	no
Dusp23	590	2.97	chr1	174562756	174562801	327	0.01	174562684; 174562678	no
Teerg1l	590	2.97	chr7	145591790	145591837	-2401	0.01	145591790	no
Tcf7l2	590	2.97	chr19	55817291	55817338	555	< 0.001	55817291	no
Cdc14a	590	2.97	chr3	116126767	116126922	50	0.01	N/A	no
Six5	591	2.96	chr7	19680549	19680799	884	0.01	19681178; 19681126; 19680977; 19681132; 19680971	yes
Nsg1	592	2.95	chr5	38550211	38550979	46	0.01	38550907; 38550907; 38550957; 38550956	yes
Irx3	592	2.95	chr8	94326130	94326318	-1023	0.01	94326192	yes
Sfrs6	592	2.95	chr2	162757568	162757613	310	0.01	162757845	yes
Marveld1	592	2.95	chr19	42222908	42223347	-522	< 0.001	42222974; 42222956	no
Mst1r	593	2.94	chr9	107808929	107808975	-267	< 0.001	107809157; 107808873; 107808879	no
Zfyve19	593	2.94	chr2	119034894	119034939	224	0.01	119034547; 119034553	no
Coll2a1	594	2.93	chr9	79566742	79567134	-279	< 0.001	79566924; 79566923	yes
Peolce	595	2.92	chr5	138052181	138052231	426	0.01	N/A	no
Ptprv	595	2.92	chr1	137025771	137025816	3358	0.01	N/A	no
Arid5b	596	2.91	chr10	67739915	67739510	1688	< 0.001	67739915	no
Gnb2	596	2.91	chr5	137972966	137973011	1469	0.01	137972966	no
Mars2	597	2.9	chr1	55293773	55293828	-220	0.01	55294138	yes
Rcor1	597	2.9	chr12	112276678	112276723	-1308	< 0.001	112276816; 112276815	yes
Pcm1	597	2.9	chr8	42326141	42326192	1054	0.01	42326141	no
Rnd1	597	2.9	chr15	98507899	98508182	-32	< 0.001	98507899	no
Rnf152	597	2.9	chr1	107252019	107252079	1198	0.01	N/A	no
St6galnac6	598	2.89	chr2	32463323	32463371	867	0.01	32463401	yes
Aldh4a1	598	2.89	chr4	139180613	139180673	1719	0.01	N/A	no
Bcl2l11	599	2.88	chr2	127953786	127953833	2037	0.01	127953786	no
Crtc3	600	2.86	chr7	87833192	87833237	549	0.01	87833391; 87833407; 87833247; 87833410; 87833413	no
Ripk3	600	2.86	chr14	56407647	56407702	-51	0.01	56407647	no
Chek1	601	2.85	chr9	36533706	36533751	484	< 0.001	36533766; 36533820	no
ENSMUST0000008366	601	2.85	chr14	65208893	65208938	-578	0.01	N/A	no
3.1									
Ung	601	2.85	chr5	114581338	114581383	196	0.01	N/A	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Bmp2k	602	2.84	chr5	97425958	97426018	-719	0.01	97426366; 97426369; 97426363	yes
Atp6v1b2	603	2.83	chr8	71612286	71612346	-366	0.01	71612721	yes
Hnrp11	603	2.83	chr17	80460974	80461019	678	0.01	80461439	yes
Rnf135	603	2.83	chr11	79997610	79997655	259	0.01	79997929	yes
2900010M23Rik	603	2.83	chr17	27268579	27268629	2232	0.01	27268579	no
Hsd11b2	603	2.83	chr8	108042457	108042502	-165	0.01	N/A	no
Casp9	604	2.82	chr4	141349557	141349776	228	0.01	141349900	yes
Ap4s1	604	2.82	chr12	52792066	52792111	136	0.01	52792182	yes
Klhl26	604	2.82	chr8	73001755	73001801	-930	0.01	73001650, 73001708	no
Slc25a39	604	2.82	chr11	102269280	102269326	-517	0.01	102269280	no
Lnpep	605	2.81	chr17	17761820	17761865	-389	0.01	17761663, 17761621, 17761644	no
Pim3	605	2.81	chr15	88694593	88694639	1993	0.01	88694593	no
Unc5c	605	2.81	chr3	141128216	141128261	-289	0.01	141128322, 141128077	no
Ppm2c	605	2.81	chr4	11893616	11893661	-41	0.01	N/A	no
Bnip1	606	2.8	chr17	26918234	26918282	223	0.01	26918597; 26918597	yes
Perl	606	2.8	chr11	68910469	68910517	-1957	0.01	68910651	yes
Sphk1	606	2.8	chr11	116393916	116393961	-722	0.01	116394216	yes
Slc32a1	606	2.8	chr2	158438762	158438822	2299	0.01	158439442; 158439060; 158439059	yes
Cnn3	606	2.8	chr3	121130496	121130548	1064	0.01	121130496	no
Eya4	606	2.8	chr10	23068134	23068191	1547	0.01	23068134	no
Klf9	606	2.8	chr19	23216509	23216554	817	0.01	23216509	no
Ppic	606	2.8	chr18	53577975	53578026	-339	0.01	53577975	no
Wbp4	606	2.8	chr14	79881066	79881111	-13	0.01	79881066	no
Pdgfb	607	2.79	chr15	79845530	79845575	-314	0.01	79845565	yes
Islr	607	2.79	chr9	58006612	58006659	313	0.01	58006612	no
Pold4	607	2.79	chr19	4231607	4231659	-303	0.01	4231607	no
Pitx2	607	2.79	chr3	128917636	128917685	806	0.01	N/A	no
Zfp28	607	2.79	chr7	6336307	6336359	306	0.01	N/A	no
2310057D15Rik	608	2.78	chr5	100469514	100469561	506	0.01	100469514	no
D4Ert429e	608	2.78	chr4	149111492	149111540	627	0.01	149111492	no
Pafah1b3	608	2.78	chr7	26082495	26082540	456	0.01	26082495	no
Spin1	609	2.77	chr13	51196711	51196756	468	0.01	51196871; 51196783; 51196871; 51196766; 51196898	yes
Tb11xr1	609	2.77	chr3	21975835	21975880	285	0.01	21976122; 21975957	yes
Wt1	609	2.77	chr2	104967268	104967313	605	0.01	104967697; 104967544; 104967543	yes
Lox3	609	2.77	chr6	82984198	82984250	7	0.01	82983462, 82984029, 82984023, 82983514	no
Mtf2	609	2.77	chr5	108495220	108495271	486	0.01	108495220	no
ORF19	609	2.77	chr17	66461035	66461080	74	0.01	66461413	yes
Lamc1	610	2.76	chr1	155180081	155180126	-188	0.01	155180262	yes
Ssr3	610	2.76	chr3	65196135	65196183	316	0.01	65196319	yes
Utp14b	610	2.76	chr1	78654844	78654889	418	0.01	78655133; 78655132	yes
2810451A06Rik	610	2.76	chr15	98928265	98928314	-1624	0.01	98927578, 98927062, 98928078	no
Cerk	610	2.76	chr15	86019375	86019428	-2831	0.01	86019375	no
Fblim1	610	2.76	chr4	141154340	141154385	7585	0.01	141154340	no
Cdkn1a	611	2.75	chr17	29231458	29231503	764	0.01	29231811	yes
Dkk2	611	2.75	chr3	131748415	131748460	174	0.01	131748693	yes
C79267	611	2.75	chr4	139155120	139155165	24092	0.01	139155120	no
Itrp3	611	2.75	chr17	27195780	27195835	1560	0.01	27195780	no
Nckap1	611	2.75	chr2	80421892	80421952	-800	0.01	80421892	no
Tbx15	611	2.75	chr3	99058121	99058170	464	0.01	99058121	no
B4galnt3	611	2.75	chr6	120244677	120244722	-123	0.01	N/A	no
Tnfrsf25	612	2.74	chr4	151490094	151490139	-335	0.01	151490261	yes
Rad51c	612	2.74	chr11	87217969	87218014	-51	0.01	87218225	yes
Celsr3	612	2.74	chr9	108729017	108729062	390	0.01	108729017	no
Ing1	613	2.73	chr8	11557333	11557378	1291	0.01	11557501	yes
Fads3	613	2.73	chr19	10116032	10116077	17	0.01	10115985, 10116106, 10116004	no
Tmem4	613	2.73	chr10	127760070	127760125	584	0.01	127760070	no
Cldn12	614	2.72	chr5	5514598	5514644	252	0.01	5514598	no
EG622320	614	2.72	chr7	104481288	104481341	482	0.01	104481288	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Tfrc	614	2.72	chr16	32609095	32609140	12	0.01	32609095	no
Col27a1	614	2.72	chr4	62875997	62876048	-423	0.01	N/A	no
Slc4a4	614	2.72	chr5	89358861	89358910	42602	0.01	N/A	no
Tmem178	614	2.72	chr17	81343388	81343444	-555	0.01	N/A	no
Arpc5	615	2.71	chr1	154613675	154613720	-84	0.01	154613855; 154613750; 154613855; 154613753	yes
Btg2	615	2.71	chr1	135974801	135974847	908	0.01	135974801	no
Bhlhb3	616	2.7	chr6	145812432	145814359	-476	0.01	145812771; 145812549; 145812549	yes
Mcam	616	2.7	chr9	43939819	43939867	-2897	0.01	43940359	yes
A930012O16Rik	616	2.7	chr2	57091009	57091054	325	0.01	57090807; 57090352	no
Col11a1	616	2.7	chr3	113734164	113734224	737	0.01	113734164	no
Siva1	616	2.7	chr12	113883685	113883735	588	0.01	113883685	no
Adam11	617	2.69	chr11	102624273	102624333	1551	0.01	102624233; 102624232	no
Cryz1	617	2.69	chr16	91728741	91728791	78	0.01	91728741	no
Rai14	617	2.69	chr15	10644922	10644982	-1657	0.01	10644922	no
Rps20	617	2.69	chr4	3763103	3763157	-383	0.01	3763103	no
Adora1	617	2.69	chr1	136132844	136132893	-860	0.01	N/A	no
Notch3	618	2.68	chr17	32303094	32303139	681	0.01	32303230	yes
Chml	618	2.68	chr1	177622081	177622127	-3620	0.01	177622081	no
Exoc6	618	2.68	chr19	37625608	37625668	731	0.01	37625608	no
Gpc4	618	2.68	chrX	49517356	49517405	1049	0.01	49517339; 49517441	no
Cdh2	619	2.67	chr18	16968053	16968098	-518	0.01	16968144	yes
D8Erd82e	619	2.67	chr8	37157736	37157781	-123	0.01	37158016	yes
Nedd4	619	2.67	chr9	72510243	72510438	263	0.01	72510291; 72510459; 72510458	yes
AB041550	619	2.67	chr6	87680838	87680883	-2	0.01	87680838	no
Magi1	619	2.67	chr6	94234327	94234492	-452	0.01	94234327	no
Tpp1	619	2.67	chr7	112900439	112900487	258	0.01	112900439	no
Klc2	619	2.67	chr19	5117799	5118023	408	0.01	5118093; 5118096	yes
Hnrpd	619	2.67	chr5	100407017	100407075	911	0.01	N/A	no
Pebp4	619	2.67	chr9	106355355	106355400	-842	0.01	N/A	no
Trpv4	620	2.66	chr5	115108145	115108190	228	0.01	115108271; 115108271	yes
Usp1	620	2.66	chr4	98590973	98591018	496	0.01	98591003	yes
Efnb3	620	2.66	chr11	69373973	69374018	-316	0.01	69373973	no
Kenj5	620	2.66	chr9	32152335	32152381	-536	0.01	32152335	no
Rnf150	620	2.66	chr8	85388301	85388346	1070	0.01	85388406; 85389108; 85389107	yes
Psip1	621	2.65	chr4	83132050	83132095	222	0.01	83132356; 83132356	yes
AK122525	621	2.65	chr10	43198487	43198369	-435	0.01	43198487	no
Mlnt10	621	2.65	chr2	17978287	17978332	1413	0.01	17977968; 17977824; 17977962	no
Spes1	621	2.65	chr14	31814428	31814476	97	0.01	31814428	no
Gad1	622	2.64	chr2	70404492	70406550	4296	0.01	70404492	no
Zfyve1	622	2.64	chr12	84937526	84937586	541	0.01	84937526	no
4930566A11Rik	623	2.63	chr8	112230471	112230530	513	0.01	112231005	yes
Anxa5	623	2.63	chr3	36375565	36375616	-970	0.01	36375827	yes
Mib1	623	2.63	chr18	10726494	10726539	894	0.01	10726763	yes
4930483J18Rik	623	2.63	chr15	81021469	81021517	-306	0.01	81021469	no
Has2	623	2.63	chr15	56525132	56525184	943	0.01	56525132	no
Hoxa6	623	2.63	chr6	52158636	52158696	-43	0.01	52158636	no
Hs3st3b1	623	2.63	chr11	63734619	63734664	1144	0.01	63734619	no
Mapre3	623	2.63	chr5	31117505	31117550	400	0.01	31117505	no
Hist1h1c	624	2.62	chr13	23831404	23831458	756	0.01	23831404	no
Prkce	624	2.62	chr17	86566207	86566564	-1387	0.01	86566207	no
Mark4	624	2.62	chr7	20043645	20043690	175	0.01	N/A	no
Sms	625	2.61	chrX	153928957	153929003	998	0.01	153928984; 153928984	yes
Fgf16	625	2.61	chrX	102959541	102959598	-245	0.01	102959555	yes
3732412D22Rik	625	2.61	chr5	67137351	67137396	296	0.01	N/A	no
Jarid1b	626	2.6	chr1	136457887	136457932	1156	0.01	136457960; 136457958; 136457955; 136457880; 136457957	no
Tmem42	626	2.6	chr9	122930322	122930367	-99	0.01	122930322	no
Ghr	626	2.6	chr15	3532152	3532207	1050	0.01	N/A	no
Extl2	627	2.59	chr3	115710429	115710476	58	0.01	115710542; 115710542	yes

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Dnajc4	627	2.59	chr19	7062390	7062440	4347	0.01	7062452; 7062452; 7062441; 7062441	yes
Eml4	627	2.59	chr17	83750364	83750409	116	0.01	83750432; 83750462; 83750432	yes
Zfp3612	627	2.59	chr17	84587416	84587786	-477	0.01	84587781	yes
4930570C03Rik	627	2.59	chr15	97612834	97612882	-1937	0.01	97612834	no
4933439F18Rik	627	2.59	chr11	60231764	60231809	982	0.01	60231764	no
Cd72	627	2.59	chr4	43466819	43466872	652	0.01	43466819	no
Arl5a	628	2.58	chr2	52280113	52280158	258	0.01	52280113	no
Bccip	628	2.58	chr7	140901040	140901085	47	0.01	140901040	no
Sema3e	628	2.58	chr5	14025556	14025601	303	0.01	14025556	no
5730410I19Rik	629	2.57	chr12	103995793	103995838	-368	0.01	103995932; 103995935	yes
Foxe3	629	2.57	chr4	114598323	114598368	272	0.01	114598323	no
Siae	629	2.57	chr9	37421778	37421838	377	0.01	37420930; 37420968	no
Slc31a2	629	2.57	chr4	61948074	61948126	622	0.01	61947992; 61947970	no
Syncrip	629	2.57	chr9	88378054	88378101	-843	0.01	88378054	no
Rasgrf1	629	2.57	chr9	89805071	89805116	482	0.01	N/A	no
Hspa12b	630	2.56	chr2	130950169	130950218	-2953	0.01	130950253; 130950252	yes
Kif21b	630	2.56	chr1	138025110	138025159	-2843	0.01	138025110	no
4831426I19Rik	630	2.56	chr12	106248179	106248224	-183	0.01	106248608; 106248611	yes
Matr3	631	2.55	chr18	35722226	35722271	437	0.01	35722493	yes
4930471M23Rik	631	2.55	chr5	30951036	30951093	729	0.01	30951036	no
Lrp1	631	2.55	chr10	127058554	127058604	-375	0.01	127058554	no
Kctd14	631	2.55	chr7	104602038	104602086	138	0.01	104602310	yes
Il17ra	632	2.54	chr6	120413667	120413712	439	0.01	120413667	no
Brd4	633	2.53	chr17	32420767	32420819	261	0.01	32420767	no
Gab1	633	2.53	chr8	83403659	83403704	696	0.01	83403659	no
Loxl1	633	2.53	chr9	58159975	58160020	995	0.01	58159975	no
4933406E20Rik	633	2.53	chr9	108481412	108481457	18497	0.01	N/A	no
Tmem2	633	2.53	chr19	21853510	21853560	704	0.01	N/A	no
Dusp1	634	2.52	chr17	26645406	26645451	-22	0.01	26645406	no
Tnrc9	635	2.51	chr8	92871435	92871494	687	0.01	92871739	yes
Prkci	635	2.51	chr3	30895370	30895430	708	0.01	30895370	no
Ywhaz	635	2.51	chr15	36722413	36722458	1563	0.01	36722499; 36722546; 36722304	no
Aff4	636	2.5	chr11	53164022	53164067	-290	0.01	53164313	yes
Pou2f1	636	2.5	chr1	167933593	167933638	-851	0.01	167933773; 167933773	yes
D830007B15Rik	636	2.5	chr5	67998427	67998487	-664	0.01	67998427	no
Prrx1	637	2.49	chr1	165243230	165243290	521	0.01	165243381	yes
Scube3	637	2.49	chr17	28278566	28278886	-882	0.01	28278900	yes
2610018G03Rik	637	2.49	chrX	48194857	48194902	268	0.01	48194857	no
Ube3a	637	2.49	chr7	66484303	66484348	205	0.01	66484303	no
2810025M15Rik	638	2.48	chr1	159342555	159342600	-509	0.01	159342984; 159342984	yes
D230039L06Rik	638	2.48	chr1	180459213	180459268	-15	0.01	180459037; 180459014	no
Impdh1	638	2.48	chr6	29161861	29161906	387	0.01	29161861	no
Clmn	638	2.48	chr12	106103083	106103128	180	0.01	106103137; 106103140; 106103139; 106103139	yes
Tpm3	638	2.48	chr3	89884090	89884135	7497	0.01	N/A	no
Wbp1	638	2.48	chr6	83071607	83071659	-178	0.01	N/A	no
Csnk1a1	639	2.47	chr18	61714747	61714792	-465	0.01	61714741; 61714840	no
Fus	639	2.47	chr7	135112108	135112166	1145	0.01	135112108	no
Gjb5	639	2.47	chr4	127035334	127035389	46	0.01	127035334	no
Tbl1x	639	2.47	chrX	74755641	74755698	-895	0.01	74755641	no
1110007A13Rik	640	2.46	chr7	135883760	135883805	161	0.01	135884021; 135884011; 135884011	yes
Ddit3	640	2.46	chr10	126727841	126727899	22	0.01	126727614; 126727555; 126727569	no
Golph3	640	2.46	chr15	12251784	12251829	556	0.01	12251784	no
Itpka	640	2.46	chr2	119567113	119567168	-932	0.01	119567113	no
Serpinf2	640	2.46	chr11	75257506	75257701	-4701	0.01	75257506	no
Tcf23	640	2.46	chr5	31271100	31271147	75	0.01	31271100	no
Gabarapl1	641	2.45	chr6	129483763	129483808	577	0.01	129484023; 129484172; 129484172	yes
Efcab2	642	2.44	chr1	180336712	180336765	727	0.01	180336850; 180336849	yes
Csnk1g1	642	2.44	chr9	65757469	65757514	676	0.01	65757469	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
ORF61	642	2.44	chr10	79446969	79447014	83	0.01	79446939, 79446823, 79446820, 79446936, 79446955, 79446952, 79446949, 79446942	no
Parp1	642	2.44	chr1	182499354	182499399	271	0.01	182499354	no
Trim8	642	2.44	chr19	46578552	46578604	2441	0.01	46578552	no
BC049834	642	2.44	chr1	157589636	157589681	-501	0.01	N/A	no
Rbm26	642	2.44	chr14	105576359	105576404	162	0.01	N/A	no
Snx9	642	2.44	chr17	5940354	5940406	-899	0.01	N/A	no
Mobk12b	643	2.43	chr4	35104308	35104353	385	0.01	35104564; 35104564	yes
Ntn1	643	2.43	chr11	68200097	68200151	204	0.01	68200295	yes
Ap1g2	643	2.43	chr14	55724155	55724201	924	0.01	55724155	no
Cx3cl1	643	2.43	chr8	97296262	97296307	205	0.01	97296340, 97296301	no
Grin2a	643	2.43	chr16	9993307	9993353	-704	0.01	9993307	no
Scotin	643	2.43	chr9	108940937	108940982	-180	0.01	108940937	no
Dpf3	643	2.43	chr12	84828992	84829051	-364	0.01	N/A	no
D18Ert653e	644	2.42	chr18	68093054	68093099	166	0.01	68093302; 68093165	yes
Impdh2	644	2.42	chr9	108462617	108462662	-191	0.01	108462735; 108462735; 108462741	yes
Grifin	644	2.42	chr5	141041664	141041709	-665	0.01	N/A	no
Zfand5	645	2.41	chr19	21346974	21347246	229	0.01	21347211; 21347214	yes
Atxn1	645	2.41	chr13	46059468	46059513	855	0.01	46059602, 46059301, 46059307	no
Bcat1	645	2.41	chr6	145024191	145024238	837	0.01	145024191	no
Pitpna	645	2.41	chr11	75402224	75402270	638	0.01	N/A	no
5730469M10Rik	646	2.4	chr14	41827057	41827102	-16	0.01	41827357; 41827321	yes
D130058121Rik	646	2.4	chr11	72227461	72227825	-2269	0.01	72227461	no
Otx1	646	2.4	chr11	21901663	21901708	-32	0.01	21901663	no
Rhoq	646	2.4	chr17	87363663	87363709	1236	0.01	87363663	no
Socs2	646	2.4	chr10	94879962	94880007	-529	0.01	94879962	no
Slc4a3	647	2.39	chr1	75543580	75543635	768	0.01	75543830	yes
Farp2	647	2.39	chr1	95408479	95408524	-199	0.01	95408864; 95408864; 95408982	yes
Cbx4	647	2.39	chr11	118947634	118947824	-251	0.01	118947435, 118947738, 118947476, 118947441, 118947479, 118947714, 118947473, 118947482	no
Pdgfa	647	2.39	chr5	139473699	139473744	-2815	0.01	139473699	no
Vps37d	647	2.39	chr5	135553361	135553421	745	0.01	135553361	no
Wdr34	647	2.39	chr2	29904621	29904666	-245	0.01	29904621	no
Igsf9	647	2.39	chr1	174412825	174412884	407	0.01	N/A	no
Mef2d	648	2.38	chr3	87943128	87943179	-3162	0.01	87943260; 87943263	yes
Igf2bp1	648	2.38	chr11	95866555	95866600	680	0.01	95866555	no
Nr2f1	648	2.38	chr13	78341408	78341465	-3193	0.01	78341408	no
Ptpn9	648	2.38	chr9	56842904	56842949	152	0.01	56842904	no
Cnot6	649	2.37	chr11	49525901	49525946	288	0.01	49526162	yes
Ube2e2	649	2.37	chr14	19726109	19726154	9	0.01	19726192; 19726521; 19726192; 19726524; 19726358; 19726357	yes
Mos	649	2.37	chr4	3802604	3802664	-3382	0.01	3802738	yes
Apbb1	650	2.35	chr7	112729410	112729456	616	0.02	112729593; 112729596	yes
Prpf4b	650	2.35	chr13	34966102	34966147	-1238	0.01	34966497; 34966500; 34966499; 34966499; 34966436; 34966436	yes
AU041783	650	2.35	chr19	57081772	57082017	869	0.01	57081772	no
Car14	650	2.35	chr3	95709491	95709539	-953	0.02	95709491	no
Celsr1	650	2.35	chr15	85865187	85865247	-1010	0.01	85865187	no
Gpr176	650	2.35	chr2	118200157	118200216	-1139	0.02	118200157	no
Tgfb3	650	2.35	chr5	107718440	107718485	77	0.02	107718312, 107718602	no
Rbpms	650	2.35	chr8	35039595	35039646	693	0.02	N/A	no
Nfat5	651	2.34	chr8	109817620	109817665	273	0.02	109817816, 109817829, 109817621, 109817808, 109817533, 109817827, 109817665	no
Slc35b2	651	2.34	chr17	45701033	45701078	-44	0.01	N/A	no
Stk10	651	2.34	chr11	32433540	32433585	297	0.01	N/A	no
Hoxa2	652	2.33	chr6	52114976	52115036	-176	0.02	52115375	yes
Emp1	652	2.33	chr6	135312720	135312778	-199	0.02	135312720	no
Slc38a2	653	2.32	chr15	96529511	96529556	595	0.01	96529590	yes
Usp25	653	2.32	chr16	77013828	77013873	-463	0.01	77014094; 77014094	yes

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Zfp367	653	2.32	chr13	64253572	64253617	913	0.01	64254002	yes
B4galt2	653	2.32	chr4	117555686	117555731	366	0.02	117555686	no
Dhx35	653	2.32	chr2	158620321	158620366	-211	0.02	158620468, 158620466, 158620511, 158620464, 158620520	no
Vipr1	653	2.32	chr9	121552322	121552367	511	0.01	121552322	no
ENSMUST0000002686 5.5	653	2.32	chr3	41367883	41367943	-933	0.02	N/A	no
C030014K22Rik	654	2.31	chr1	168930753	168930798	-829	0.02	168931227	yes
Tomm34	654	2.31	chr2	163895975	163896035	833	0.02	163896255	yes
Arpc5l	654	2.31	chr2	38864630	38864690	1002	0.02	38863799; 38863799; 38864031	yes
1700021F05Rik	654	2.31	chr10	43260359	43260404	418	0.01	43260700; 43260700	yes
B630019A10Rik	654	2.31	chr16	23225406	23225451	594	0.01	23225406	no
Ccdc115	655	2.3	chr1	34492016	34492076	4471	0.02	34492100	yes
2900046G09Rik	655	2.3	chr16	20695572	20695632	473	0.01	20695572	no
Git1	655	2.3	chr11	77307608	77307653	717	0.01	77307562, 77307438	no
Rnf139	655	2.3	chr15	58721011	58721056	182	0.02	58720870, 58721172	no
Zfp330	656	2.29	chr8	85298783	85298841	-787	0.02	85298783	no
Ggnbp2	657	2.28	chr11	84683595	84683761	502	0.02	N/A	no
Poren	658	2.27	chrX	7783641	7783687	-37	0.02	7783776	yes
Sh3rf2	658	2.27	chr18	42212196	42212245	-1143	0.02	42212196	no
Tmem132a	658	2.27	chr19	10943282	10943338	959	0.02	10943282	no
Slc37a2	658	2.27	chr9	37055602	37055656	7370	0.02	N/A	no
Lzts2	659	2.26	chr19	45090397	45090451	-5455	0.02	45090400	yes
Zfand3	659	2.26	chr17	30141559	30141604	-449	0.02	30141923	yes
Rasgrp2	659	2.26	chr19	6399998	6400043	-562	0.02	6399823, 6399812	no
Lonrf3	660	2.25	chrX	33870057	33870102	1677	0.02	33870318	yes
Csdc2	660	2.25	chr15	81766993	81767048	-352	0.02	81766993	no
Nanos1	660	2.25	chr19	60831621	60831667	-245	0.02	60831621	no
Ovol1	660	2.25	chr19	5558456	5558509	2093	0.02	5558456	no
Sesn3	660	2.25	chr9	14081602	14081662	888	0.02	14081602	no
Grina	661	2.24	chr15	76077932	76077977	718	0.02	76077932	no
Mybpc2	661	2.24	chr7	51780386	51780435	-386	0.02	51780386	no
Sh3bp1	662	2.23	chr15	78730527	78730572	335	0.02	N/A	no
0610038D11Rik	663	2.22	chr19	6984302	6984347	137	0.02	6984302	no
Arhgef2	663	2.22	chr3	88424753	88425046	-3	0.02	88424753	no
C530043G21Rik	664	2.21	chr1	158648556	158648601	463	0.02	158648556	no
Pnkd	664	2.21	chr1	74331737	74331785	154	0.02	74331400, 74331573	no
Tac2	664	2.21	chr10	127158953	127159004	-3469	0.02	127158953	no
Timeless	664	2.21	chr10	127669131	127669176	-5966	0.02	127669545; 127669311; 127669545; 127669314	yes
Skil	665	2.2	chr3	30994640	30994685	680	0.02	30994595, 30994571	no
Pim2	665	2.2	chrX	7456020	7456072	615	0.02	N/A	no
Ncdn	666	2.19	chr4	126429827	126429872	841	0.02	126430113	yes
Nr2f2	666	2.19	chr7	77505956	77506001	-499	0.02	77506079	yes
Ddx26b	666	2.19	chrX	53707733	53707791	-291	0.02	53708061	yes
Xpr1	666	2.19	chr1	157264566	157264611	-14	0.02	157264683; 157264682; 157264791; 157264790	yes
Pard6g	666	2.19	chr18	80243584	80243629	-96	0.02	80243723; 80243723	yes
Nxph3	666	2.19	chr11	95375185	95375230	671	0.02	95375185	no
Rmi1	666	2.19	chr13	58503739	58503784	115	0.02	58503739	no
Srpk1	666	2.19	chr17	28759236	28759281	141	0.02	28759189, 28759156, 28759450	no
Stk24	666	2.19	chr14	121779021	121779066	-592	0.02	121778616, 121778558, 121778564, 121778748	no
E130319B15Rik	667	2.18	chr2	4639147	4639193	-20	0.02	4639365	yes
Jph4	667	2.18	chr14	55735772	55735817	-679	0.02	55735772	no
Npr2	667	2.18	chr4	43644615	43644660	-168	0.02	43644615	no
2310028H24Rik	667	2.18	chr4	41516021	41516066	498	0.02	N/A	no
Tle3	667	2.18	chr9	61220667	61220712	518	0.02	N/A	no
Prr14	668	2.17	chr7	134615244	134615289	139	0.02	134615593	yes
Adams15	669	2.16	chr9	30729777	30729822	237	0.02	30729777	no
Tmem166	669	2.16	chr6	81991640	81991685	-4	0.02	81991640	no
1500005A01Rik	670	2.15	chr14	56204072	56204117	-3	0.02	56204429; 56204428	yes
Mgat3	670	2.15	chr15	80003752	80003797	-376	0.02	80004133; 80004133; 80004111	yes

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Src	670	2.15	chr2	157250456	157250501	450	0.02	157250403, 157250421	no
Eps15	671	2.14	chr4	108953155	108953200	271	0.03	108953486; 108953489	yes
Mageb3	671	2.14	chr2	121781671	121781716	134	0.02	121782338; 121782338; 121782276; 121782006; 121782005	yes
Dtnb	671	2.14	chr12	3572721	3572766	222	0.02	3572566, 3572522	no
Nudt4	671	2.14	chr10	95025929	95025974	849	0.02	95025929	no
Gpr146	671	2.14	chr5	139857004	139857050	-8830	0.02	N/A	no
Ubl3	672	2.13	chr5	149364038	149364083	304	0.03	149364410; 149364409	yes
Zfp668	672	2.13	chr7	135020107	135020152	207	0.03	135020346; 135020346	yes
Abcd2	672	2.13	chr15	91022148	91022201	64	0.02	91022484; 91022484	yes
Foxg1	672	2.13	chr12	50485979	50486024	2009	0.02	50485979	no
Ptgir	672	2.13	chr7	17491240	17491290	-573	0.02	17491240	no
Scyl3	672	2.13	chr1	165859586	165859646	-578	0.02	165859586	no
Palm	673	2.12	chr10	79256745	79256790	308	0.02	79256745	no
Faf1	674	2.11	chr4	109349260	109349305	51	0.03	109349397; 109349397; 109349421; 109349421	yes
Fn3k	674	2.11	chr11	121296260	121296305	-3	0.02	121296205, 121296250, 121296098	no
Oxct1	674	2.11	chr15	3977736	3977792	1337	0.02	3977736	no
Vasp	674	2.11	chr7	19857388	19857446	-214	0.03	N/A	no
Actr10	675	2.1	chr12	72039245	72039290	375	0.02	72039245	no
Ankrd25	675	2.1	chr9	21602380	21602425	588	0.03	21602380	no
Cnmm4	676	2.09	chr1	36528307	36528352	-111	0.03	36528679	yes
Unc13a	676	2.09	chr8	74195045	74195090	478	0.03	74195459	yes
Wbscr27	676	2.09	chr5	135408558	135408603	338	0.03	135408719; 135408718	yes
Fbxo6	676	2.09	chr4	147524933	147524993	1054	0.03	147524933	no
Jph1	676	2.09	chr1	17087383	17087428	473	0.03	17087383	no
BC021523	677	2.08	chr15	85889266	85889311	1152	0.03	85889430; 85889429	yes
BC046404	677	2.08	chr11	62462072	62462117	-69	0.02	62462208; 62462347; 62462208; 62462350	yes
Pknox2	677	2.08	chr9	36953462	36953512	1364	0.02	36953462	no
Slc8a2	677	2.08	chr7	16715197	16715242	-428	0.03	16715197	no
Cdk5r1	678	2.07	chr11	80291109	80291154	585	0.02	80291304, 80290971	no
Fbxl10	678	2.07	chr5	123438549	123438594	-30	0.03	123438526, 123438352	no
Ormdl3	679	2.06	chr11	98449721	98449766	-1185	0.03	98449771, 98449777	no
Rab38	679	2.06	chr7	95578501	95578551	-256	0.03	95578501	no
B230317C12Rik	679	2.06	chr2	26483394	26483447	-556	0.03	N/A	no
0610010K14Rik	680	2.05	chr11	70051050	70051095	344	0.03	70051050	no
Tmem35	680	2.05	chrX	130829983	130830028	243	0.03	130829983	no
Chd1	681	2.04	chr17	15841675	15841720	-555	0.03	15842040; 15842043	yes
Myen	681	2.04	chr12	12947500	12947546	1119	0.03	12947500	no
Tgfb3	681	2.04	chr12	87418005	87418060	1452	0.03	87418005	no
Crtc2	682	2.03	chr3	90058505	90058550	311	0.03	90058741	yes
Ube2e1	682	2.03	chr14	19164414	19164459	-78	0.03	19164592	yes
Glrx	682	2.03	chr13	75977775	75977820	465	0.03	75977775	no
Itgb1	682	2.03	chr8	131209308	131209353	-350	0.03	131209308	no
Mmp14	683	2.02	chr14	55050322	55050377	-105	0.03	55050617; 55050617; 55050623	yes
Dynl1	683	2.02	chr5	115749703	115749763	1210	0.03	115749703	no
Slc29a2	683	2.02	chr19	5023854	5023899	-2229	0.03	5023854	no
Uap1	683	2.02	chr1	172105270	172105315	-215	0.03	172105228, 172105206, 172105222	no
Dab1	684	2.01	chr4	104039835	104039880	-306	0.03	104040123	yes
Abec4	685	2	chr14	119105539	119105584	-135	0.03	119105910; 119105933	yes
Gdf10	685	2	chr14	34736672	34736717	-78	0.03	34736761	yes
Pepd	685	2	chr7	35695580	35695627	-1821	0.03	35695768; 35695768	yes
Nfib	685	2	chr4	82153048	82153102	-1863	0.03	82153048	no
Pdzd3	685	2	chr9	44058602	44058647	923	0.03	44058602	no
Stac3	685	2	chr10	126947580	126947625	-4392	0.03	N/A	no
BC018371	686	1.99	chr11	94463254	94463299	-176	0.03	94463254	no
Mapt	686	1.99	chr11	104094269	104094320	1545	0.03	104094269	no
Rab11fip5	686	1.99	chr6	85324150	85324195	456	0.03	85324150	no
Pnmt	686	1.99	chr11	98249630	98249675	1707	0.03	N/A	no
Foxp4	687	1.98	chr17	48059926	48059971	1633	0.03	48059926	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Slc41a3	687	1.98	chr6	90571491	90571545	2309	0.03	90571491	no
Diras2	688	1.97	chr13	52625649	52625697	532	0.03	52625649	no
Ssfa2	688	1.97	chr2	79475980	79476025	306	0.04	N/A	no
Prkar1b	689	1.96	chr5	139605206	139605251	417	0.04	139605206	no
Arhgap8	689	1.96	chr15	84512032	84512077	627	0.03	N/A	no
Zfp161	690	1.95	chr17	69732893	69732938	-401	0.04	69733278; 69733281; 69733236	yes
Brsk1	691	1.94	chr7	4642903	4642948	397	0.04	4643042; 4643042; 4642913	yes
Sirt5	691	1.94	chr13	43461294	43461339	-4768	0.03	43461294	no
Zfp574	691	1.94	chr7	25862319	25862364	40	0.04	25858024, 25857809, 25858022, 25857997	no
Dnajb10	692	1.93	chr1	75233022	75233067	-17	0.04	75233177; 75233165	yes
6330505N24Rik	692	1.93	chr3	84283948	84283993	381	0.04	84283948	no
Spred2	692	1.93	chr11	19823978	19824025	-442	0.04	19823978	no
Kdelc1	692	1.93	chr1	44158703	44158762	16886	0.04	N/A	no
E130114P18Rik	693	1.92	chr4	97444652	97444697	358	0.04	97444895	yes
Nr4a1	693	1.92	chr15	101097227	101097272	-42	0.04	101097416	yes
Pgrmc1	693	1.92	chrX	34138703	34138748	507	0.04	34138701, 34138681	no
5730442P18Rik	693	1.92	chr11	103225340	103225390	-667	0.04	N/A	no
Sorcs1	694	1.91	chr19	50752933	50752978	146	0.04	50752947; 50753294; 50753294	yes
4930412M03Rik	694	1.91	chr11	59928402	59928452	9913	0.04	59928402	no
X99384	694	1.91	chr10	60845390	60845435	859	0.04	60845390	no
Lgr6	695	1.9	chr1	137001675	137001720	155	0.04	137002037	yes
Bin1	695	1.9	chr18	32537327	32537372	480	0.04	32537703	yes
Cdkn1c	695	1.9	chr7	150647382	150647431	-505	0.04	150647234, 150647215, 150647240, 150647241	no
Tax1bp3	695	1.9	chr11	72991021	72991066	460	0.04	72991021	no
Tbx3	695	1.9	chr5	120120713	120120758	59	0.04	120120713	no
Zfp3	695	1.9	chr11	70577737	70577782	-188	0.04	70577737	no
Vti1b	696	1.89	chr12	80273135	80273180	206	0.04	80273392; 80273507; 80273507	yes
Slc35e1	696	1.89	chr8	75016979	75017026	-489	0.04	75016979	no
Fxyd5	697	1.88	chr7	31827214	31827259	-399	0.05	31827185, 31827147	no
Mbc2	697	1.88	chr10	127962196	127962241	697	0.04	127962196	no
Plekhh3	697	1.88	chr11	101032141	101032186	452	0.04	101032141	no
Tbcd1f6	698	1.87	chr11	119089660	119089705	131	0.04	119090040; 119089742; 119090032; 119090031	yes
Lrrc4	698	1.87	chr6	28782622	28782667	-897	0.05	28782687, 28782705, 28782681, 28782740, 28782592	no
ENSMUST0000008358.2.1	698	1.87	chr1	164147100	164147151	261035	0.05	N/A	no
Larp6	699	1.86	chr9	60560773	60560818	-131	0.04	60561140; 60561031	yes
Slc25a37	699	1.86	chr14	69902684	69902729	454	0.04	69902684	no
Ccnt2	700	1.85	chr1	129671054	129671100	337	0.05	129671054	no
Galnt2	700	1.85	chr8	126755926	126755971	655	0.05	126755926	no
Ppap2b	700	1.85	chr4	104830209	104830254	281	0.05	104830209	no
Ddr1	700	1.85	chr17	35841379	35841434	-322	0.04	N/A	no
Gtf2i	700	1.85	chr5	134790010	134790055	584	0.05	N/A	no
Syn2	701	1.84	chr6	115084796	115084841	-101	0.05	115085078; 115085078	yes
Ak3l1	701	1.84	chr4	101092775	101092820	435	0.05	101092745, 101092671	no
Rap2a	701	1.84	chr14	120877052	120877097	-608	0.05	120877052	no
Zfp53	701	1.84	chr17	21625888	21625933	-41	0.05	21625888	no
Ap1s3	701	1.84	chr1	79668400	79668445	125	0.05	N/A	no
Chrd	702	1.83	chr16	20732670	20732715	-507	0.05	20732670	no
Rorc	702	1.83	chr3	94177233	94177278	549	0.06	94177233	no
Skap2	703	1.82	chr6	51962155	51962200	370	0.05	51962491	yes
Yeats4	703	1.82	chr10	116661501	116661546	5	0.05	116661748	yes
Anp32b	703	1.82	chr4	46465201	46465246	1236	0.05	46465201	no
C130026L21Rik	703	1.82	chr5	112010630	112010686	-106	0.05	112010630	no
Fbxw7	703	1.82	chr3	84756093	84756143	-14	0.05	84756093	no
C1qdc2	704	1.81	chr4	155336917	155336962	514	0.06	155336917	no
Kctd9	704	1.81	chr14	68334564	68334609	432	0.05	68334450, 68334378, 68334293, 68334316	no
Sema6a	704	1.81	chr18	47528068	47528115	430	0.05	47528068	no
Tmem126b	705	1.8	chr7	97624417	97624462	65	0.05	97624417	no

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Gene	Rank	Fold-Enrichment	Chromosome	Start	End	Distance to TSS	P-Value	Location of WT1 Matrix/Consensus Site	WT1 Consensus Site Present
Jundm2	706	1.79	chr12	86939998	86940043	-345	0.05	86940362; 86940322	yes
Eda	706	1.79	chrX	97170352	97170399	-568	0.05	97170352	no
Fxyd6	706	1.79	chr9	45178515	45178560	271	0.05	45178515	no
Mrp155	706	1.79	chr11	59015808	59015853	-188	0.05	59015808	no
Oxr1	706	1.79	chr15	41620566	41620611	-472	0.05	41620654; 41620497	no
Trappc5	706	1.79	chr8	3672225	3672270	-4228	0.06	3672225	no
Mfn1	707	1.77	chr3	32428792	32428852	415	0.06	32428876; 32428875	yes
Gm71	707	1.77	chr12	70683994	70684039	-1	0.05	70684216; 70684215; 70684215	yes
Dock4	708	1.76	chr12	41173034	41173079	417	0.06	41173034	no
Cggbp1	709	1.75	chr16	64851125	64851170	-762	0.06	64851344; 64851329; 64851040	no
Nkx6-1	709	1.75	chr5	102094435	102094480	-728	0.06	102094435	no
1700012A16Rik	710	1.74	chr1	155271882	155271935	-430	0.07	155272469; 155272444	yes
Col13a1	710	1.74	chr10	61441987	61442032	-154	0.06	61442140; 61442139	yes
Grtp1	710	1.74	chr8	13199869	13199915	732	0.07	13200038	yes
Usf2	710	1.74	chr7	31741410	31741455	366	0.07	31741410	no
Pan3	711	1.73	chr5	148241873	148241918	-568	0.07	148241873	no
Lbx2	712	1.72	chr6	83034247	83034298	-2086	0.07	83034247	no
Ehbp1	713	1.7	chr11	22186735	22186780	-917	0.07	22187168	yes
Hspb8	714	1.68	chr5	116873217	116873267	-369	0.08	116873295; 116873298	yes
Card10	714	1.68	chr15	78634102	78634150	-654	0.07	78634102	no
Lrrc8d	714	1.68	chr5	106128040	106128095	-919	0.08	106128040	no
Cnot4	715	1.67	chr6	35083695	35083740	-3	0.08	35083380; 35083388	no
Trim46	715	1.67	chr3	89047691	89047736	1407	0.08	89047691	no
Gprc5a	716	1.65	chr6	135015349	135015394	-335	0.08	135015349	no
Prkch	717	1.62	chr12	74685598	74685643	-407	0.08	74685943; 74685943	yes
Slc35f2	717	1.62	chr9	53619543	53619588	225	0.08	53619630; 53619630	yes
Etv5	718	1.6	chr16	22439533	22439578	87	0.09	22439672; 22439620; 22439619	yes
Wnt11	718	1.6	chr7	105986752	105986802	-577	0.1	105986763	yes
Pank1	719	1.59	chr19	34953561	34953606	-1177	0.09	34953640; 34953551	no
Mareks11	720	1.57	chr4	129191319	129191365	455	0.11	129191471	yes
BC079880	720	1.57	chr8	108130344	108130389	1238	0.1	N/A	no
B3galnt2	721	1.53	chr13	14047084	14047129	166	0.11	14047168; 14047089	yes
Hip1r	722	1.51	chr5	124423962	124424007	337	0.13	124423888; 124423894	no
Ece1	723	1.49	chr4	137417821	137417866	-367	0.13	137417821	no
Btbd12	724	1.45	chr16	4003484	4003529	-1826	0.14	4003885	yes
Lass5	725	1.44	chr15	99603245	99603290	-322	0.14	99603245	no
Antxr2	726	1.43	chr5	98459520	98459565	439	0.15	98459520-98459565	no
B3galnt4	726	1.43	chr17	34088230	34088275	181	0.15	34088230-34088275	no
4121402D02Rik	727	1.37	chr11	98656629	98656674	-430	0.18	98656763; 98656521; 98656587; 98656757; 98656621; 98656845	no