Putative AREs in Autophagy related genes

ATG2A

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
7 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	850	868	859	(+)	0.841	0	**aggtggcacccTGTTctaa**
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	850	868	859	(+)	0.904	0	**aggtggcaccctGTTCtaa**
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	850	868	859	(+)	0.896	0	**aggtggcaccctGTTCtaa**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5484	5502	5493	(+)	0.887	0	**ccagatccccTGTTctcc**
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	5484	5502	5493	(+)	0.907	0	**ccagatccccctGTTCtcc**
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5484	5502	5493	(+)	0.926	0	**ccagatccccctGTTCtcc**
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	5484	5502	5493	(+)	0.872	0	**ccagatcccctGTTCtcc**

ATG2B

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
13 putative AREs								
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2785	2803	2794	(+)	0.873	0	**tttcaacaaccaGTTCtgt**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3534	3552	3543	(+)	0.805	0	**catggcatcccTGTTctac**
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5870	5888	5879	(-)	0.876	0	**tgcactccatatGTTCttg**
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	6202	6220	6211	(-)	0.895	0	**ttcattcatttaGTTCtct**
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7962	7980	7971	(+)	0.904	0	**ctcactcttgatGTTCcct**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8012	8030	8021	(+)	0.820	0	**gttgcacttgcTGTTcccc**
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	8012	8030	8021	(+)	0.947	0	**gttgcacttgctGTTCccc**
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	8012	8030	8021	(+)	0.915	0	**gttgcacttgctGTTCccc**
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	8012	8030	8021	(+)	0.930	0	**gttgcacttgctGTTCccc**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8328	8346	8337	(-)	0.813	0	**gtgccaagcacTGTTctag**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8595	8613	8604	(-)	0.871	0	**caaggagtttaTGTTctaa**
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	8595	8613	8604	(-)	0.886	0	**caaggagtttatGTTCtaa**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9160	9178	9169	(-)	0.841	0	**ctgggtgcgggTGTTctat**

ATG3

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
14 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	179	197	188	(+)	0.802	0	**ttcacccatacTGTTctca**
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	179	197	188	(+)	0.915	0	**ttcacccatactGTTCtca**
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	179	197	188	(+)	0.902	0	**ttcacccatactGTTCtca**
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2614	2632	2623	(+)	0.882	0	**atgatacaaaatGTTCctt**
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	2614	2632	2623	(+)	0.909	0	**atgatacaaaatGTTCctt**
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2624	2642	2633	(+)	0.906	1	**atgttccttccaGTTCtaa**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3703	3721	3712	(-)	0.912	0	**gtggaagaaagTGTTctgg**
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	3703	3721	3712	(-)	0.902	0	**gtggaagaaagtGTTCtgg**
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	3703	3721	3712	(-)	0.855	0	**gtggaagaaagtGTTCtgg**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	6618	6636	6627	(+)	0.836	0	**aatcagcgaagTGTTctct**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	7013	7031	7022	(+)	0.815	0	**agactccatttTGTTctgc**
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7013	7031	7022	(+)	0.901	0	**agactccattttGTTCtgc**
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7013	7031	7022	(+)	0.891	0	**agactccattttGTTCtgc**
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9845	9863	9854	(-)	0.816	0	**atcgtggttttTGTTctgc**

ATG4A

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
12 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	407	425	416	(-)	0.900	0	ggagtgcctttTGTTctaa
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	407	425	416	(-)	0.928	0	ggagtgccttttGTTCtaa
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	407	425	416	(-)	0.915	0	ggagtgccttttGTTCtaa
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	407	425	416	(-)	0.856	0	ggagtgccttttGTTCtaa
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2358	2376	2367	(+)	0.810	0	taatttcctttTGTTctac
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2358	2376	2367	(+)	0.920	0	taatttccttttGTTCtac
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2358	2376	2367	(+)	0.877	0	taatttccttttGTTCtac
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2947	2965	2956	(-)	0.803	0	aacaagctagtTGTTctgc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2947	2965	2956	(-)	0.902	0	aacaagctagttGTTCtgc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2947	2965	2956	(-)	0.878	0	aacaagctagttGTTCtgc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3094	3112	3103	(-)	0.819	0	actgttgagatTGTTctac
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	4485	4503	4494	(-)	0.895	0	cttgaaccagaaGTTCtgt

ATG4B

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
8 putative AREs								
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2714	2732	2723	(-)	0.903	0	ttttttcttgtaGTTCtgg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	3353	3371	3362	(-)	0.876	0	cgggttcaagcaGTTCtcc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	4869	4887	4878	(-)	0.801	0	gaggttctttcTGTTcacg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	4869	4887	4878	(-)	0.913	0	gaggttctttctGTTCacg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	6613	6631	6622	(-)	0.902	0	caggtagaagaTGTTcttt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	6613	6631	6622	(-)	0.899	0	caggtagaagatGTTCttt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	6613	6631	6622	(-)	0.854	0	caggtagaagatGTTCttt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7185	7203	7194	(-)	0.855	0	gggtttcactctGTTCccc

ATG4C

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
10 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	113	131	122	(+)	0.811	0	tacttccatatTGTTctca
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	113	131	122	(+)	0.906	0	tacttccatattGTTCtca
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	113	131	122	(+)	0.898	0	tacttccatattGTTCtca
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	826	844	835	(+)	0.821	0	tgtattcatgaTGTTctgg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	826	844	835	(+)	0.934	0	tgtattcatgatGTTCtgg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	826	844	835	(+)	0.901	0	tgtattcatgatGTTCtgg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	7502	7520	7511	(+)	0.887	0	agaggagagaaTGTTctgt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7502	7520	7511	(+)	0.904	0	agaggagagaatGTTCtgt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7502	7520	7511	(+)	0.856	0	agaggagagaatGTTCtgt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9671	9689	9680	(+)	0.893	0	ctggatcttgcaGTTCcta

ATG4D

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
10 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	224	242	233	(-)	0.813	0	atgtgccccaTGTTctgc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	224	242	233	(-)	0.871	0	atgtgccccatGTTCtgc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	1825	1843	1834	(+)	0.828	0	gctgagagtttTGTTctta
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5229	5247	5238	(-)	0.881	0	tgtggaagcttTGTTcttt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5229	5247	5238	(-)	0.879	0	tgtggaagctttGTTCttt
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	7151	7169	7160	(-)	0.824	0	tttgcacttgcTGTTccct
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7151	7169	7160	(-)	0.947	0	tttgcacttgctGTTCcct
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7151	7169	7160	(-)	0.916	0	tttgcacttgctGTTCcct
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7151	7169	7160	(-)	0.932	0	tttgcacttgctGTTCcct
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7775	7793	7784	(+)	0.875	0	tgagccccaactGTTCctc

ATG5

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
8 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3728	3746	3737	(+)	0.840	0	gagcatcagccTGTTcttt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	3728	3746	3737	(+)	0.899	0	gagcatcagcctGTTCttt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	3728	3746	3737	(+)	0.901	0	gagcatcagcctGTTCttt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7397	7415	7406	(+)	0.858	0	ggcgggccaggtGTTCctt
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9960	9978	9969	(-)	0.880	0	tccgccctccgTGTTctgc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9960	9978	9969	(-)	0.901	0	tccgccctccgtGTTCtgc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9960	9978	9969	(-)	0.926	0	tccgccctccgtGTTCtgc
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	9960	9978	9969	(-)	0.859	0	tccgccctccgtGTTCtgc

ATG7

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
9 putative AREs								
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	159	177	168	(+)	0.910	0	cccaaacttcttGTTCaaa
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	386	404	395	(-)	0.882	0	agctcacaatcaGTTCtct
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	1617	1635	1626	(-)	0.891	0	gaggcagagaaTGTTctca
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	1617	1635	1626	(-)	0.903	0	gaggcagagaatGTTCtca
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	1617	1635	1626	(-)	0.857	0	gaggcagagaatGTTCtca
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3258	3276	3267	(-)	0.816	0	ggtgatagaaaTGTTctac
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	4625	4643	4634	(+)	0.824	0	agacggcgtctTGTTctgt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	4625	4643	4634	(+)	0.900	0	agacggcgtcttGTTCtgt
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9325	9343	9334	(+)	0.808	0	ttcttagattcTGTTcttt

ATG9A

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
11 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	1814	1832	1823	(-)	0.814	0	gagcctccccaTGTTctcc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5698	5716	5707	(-)	0.890	0	ctagaccttccTGTTctct
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	5698	5716	5707	(-)	0.962	0	ctagaccttcctGTTCtct
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5698	5716	5707	(-)	0.931	0	ctagaccttcctGTTCtct
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	5698	5716	5707	(-)	0.874	0	ctagaccttcctGTTCtct
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	8183	8201	8192	(-)	0.910	0	ccggttcatgccGTTCtcc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	8183	8201	8192	(-)	0.875	0	ccggttcatgccGTTCtcc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9282	9300	9291	(-)	0.824	0	cgcgtacttccTGTTcagg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9282	9300	9291	(-)	0.934	0	cgcgtacttcctGTTCagg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9282	9300	9291	(-)	0.906	0	cgcgtacttcctGTTCagg
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	9282	9300	9291	(-)	0.892	0	cgcgtacttcctGTTCagg

ATG9B

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
9 putative AREs								
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	1212	1230	1221	(-)	0.893	0	acgtgccatccaGTTCttc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3161	3179	3170	(+)	0.841	0	gttttccactgTGTTcttg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	3161	3179	3170	(+)	0.900	0	gttttccactgtGTTCttg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	7404	7422	7413	(-)	0.823	0	agactccatttTGTTctgt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7404	7422	7413	(-)	0.901	0	agactccattttGTTCtgt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7404	7422	7413	(-)	0.892	0	agactccattttGTTCtgt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7451	7469	7460	(-)	0.882	0	agagatcagattGTTCctg
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7451	7469	7460	(-)	0.924	0	agagatcagattGTTCctg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9445	9463	9454	(+)	0.908	0	tcttctcattctGTTCccc

ATG10

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
19 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	1049	1067	1058	(-)	0.823	0	ttgtatcctatTGTTctgt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	1049	1067	1058	(-)	0.910	0	ttgtatcctattGTTCtgt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	1049	1067	1058	(-)	0.882	0	ttgtatcctattGTTCtgt
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3953	3971	3962	(-)	0.856	0	gtggtacagtaTGTTcata
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	3953	3971	3962	(-)	0.920	0	gtggtacagtatGTTCata
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	3953	3971	3962	(-)	0.948	0	gtggtacagtatGTTCata
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	4932	4950	4941	(+)	0.872	0	caagatcagcctGTTCaac
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	4932	4950	4941	(+)	0.885	0	caagatcagcctGTTCaac
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	6208	6226	6217	(+)	0.956	0	ggggaacccaaTGTTctgc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	6208	6226	6217	(+)	0.900	0	ggggaacccaatGTTCtgc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	6208	6226	6217	(+)	0.967	0	ggggaacccaatGTTCtgc
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	6208	6226	6217	(+)	0.931	0	ggggaacccaatGTTCtgc
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	6208	6226	6217	(-)	0.856	0	gcagaacattggGTTCccc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	6294	6312	6303	(+)	0.906	0	agagggccctaTGTTcttt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	6294	6312	6303	(+)	0.918	0	agagggccctatGTTCttt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	6294	6312	6303	(+)	0.873	0	agagggccctatGTTCttt
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8890	8908	8899	(-)	0.835	0	acaaggcagtgTGTTctga
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	8890	8908	8899	(-)	0.896	0	acaaggcagtgtGTTCtga
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	8890	8908	8899	(-)	0.902	0	acaaggcagtgtGTTCtga

ATG12

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
10 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2253	2271	2262	(-)	0.873	0	catgcccagcaTGTTctcc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2253	2271	2262	(-)	0.893	0	catgcccagcatGTTCtcc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2253	2271	2262	(-)	0.938	0	catgcccagcatGTTCtcc
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	2253	2271	2262	(-)	0.899	0	catgcccagcatGTTCtcc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	7133	7151	7142	(-)	0.857	0	attcaaccccTGTTctag
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7133	7151	7142	(-)	0.911	0	attcaaccccttGTTCtag
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9169	9187	9178	(-)	0.890	0	tgataactgcacGTTCtgt
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9254	9272	9263	(-)	0.826	0	ggacttctttcTGTTcttt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9254	9272	9263	(-)	0.946	0	ggacttctttctGTTCttt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9254	9272	9263	(-)	0.888	0	ggacttctttctGTTCttt

ATG13

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
1 putative ARE								
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	661	679	670	(+)	0.874	0	ggctcacagctaGTTCtag

ATG14

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
6 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8	26	17	(+)	0.835	0	tctgtttaagTGTTcttt
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2251	2269	2260	(+)	0.885	0	agaggccctgcTGTTctac
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2251	2269	2260	(+)	0.921	0	agaggccctgctGTTCtac
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2251	2269	2260	(+)	0.915	0	agaggccctgctGTTCtac
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	2251	2269	2260	(+)	0.864	0	agaggccctgctGTTCtac
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2307	2325	2316	(+)	0.831	0	ccagcttacacTGTTctgg

ATG16L1

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
11 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	50	68	59	(-)	0.912	0	gttgaccagggTGTTcttg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	50	68	59	(-)	0.891	0	gttgaccagggtGTTCttg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	50	68	59	(-)	0.942	0	gttgaccagggtGTTCttg
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	50	68	59	(-)	0.904	0	gttgaccagggtGTTCttg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	591	609	600	(-)	0.871	0	ccagagcatgggGTTCtcc
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	1160	1178	1169	(-)	0.873	0	tcaaaacgcactGTTCcaa
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5636	5654	5645	(+)	0.833	0	tttgtactttaTGTTcctt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	5636	5654	5645	(+)	0.946	0	tttgtactttatGTTCctt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5636	5654	5645	(+)	0.915	0	tttgtactttatGTTCctt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	5636	5654	5645	(+)	0.931	0	tttgtactttatGTTCctt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	8131	8149	8140	(-)	0.851	0	tagcaccactgtGTTCcag

ATG16L2

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
7 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	1524	1542	1533	(-)	0.815	0	ggaggatactTGTTctcc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	1931	1949	1940	(+)	0.814	0	gaataatatttTGTTctat
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2597	2615	2606	(+)	0.891	0	tttaaacaatcaGTTCtct
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2597	2615	2606	(+)	0.883	0	tttaaacaatcaGTTCtct
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	4932	4950	4941	(+)	0.806	0	tctagccaccaTGTTctga
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	4932	4950	4941	(+)	0.896	0	tctagccaccatGTTCtga
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	6580	6598	6589	(+)	0.827	0	tgagacagtctTGTTctgt

ATG101

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
6 putative AREs								
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	277	295	286	(+)	0.913	0	cccaaaccttcaGTTCtag
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3976	3994	3985	(-)	0.888	0	tgtgtgctgtcTGTTctcc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	3976	3994	3985	(-)	0.932	0	tgtgtgctgtctGTTCtcc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	3976	3994	3985	(-)	0.931	0	tgtgtgctgtctGTTCtcc
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	3976	3994	3985	(-)	0.864	0	tgtgtgctgtctGTTCtcc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9124	9142	9133	(-)	0.870	0	ggagcgcatttgGTTCtcc

BECN1

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
13 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2760	2778	2769	(-)	0.801	0	atagagcatgaTGTTatat
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2960	2978	2969	(+)	0.817	0	aaaatatgcttTGTTctca
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3899	3917	3908	(+)	0.821	0	acacagcaaccTGTTctga
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	3899	3917	3908	(+)	0.894	0	acacagcaacctGTTCtga
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	3899	3917	3908	(+)	0.890	0	acacagcaacctGTTCtga
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5151	5169	5160	(+)	0.876	0	ctgtcacattcTGTTcttc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	5151	5169	5160	(+)	0.965	0	ctgtcacattctGTTCttc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5151	5169	5160	(+)	0.955	0	ctgtcacattctGTTCttc
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	5151	5169	5160	(+)	0.907	0	ctgtcacattctGTTCttc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9092	9110	9101	(+)	0.928	0	tgtgctcttgctGTTCcct
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9092	9110	9101	(+)	0.871	0	tgtgctcttgctGTTCcct
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	9092	9110	9101	(+)	0.871	0	tgtgctcttgctGTTCcct
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9520	9538	9529	(+)	0.812	0	gttgctgttgtTGTTctga

GABARAP

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
7 putative AREs								
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	5396	5414	5405	(+)	0.877	0	atggttccatctGTTCctc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	5548	5566	5557	(+)	0.891	0	ccagcccatcttGTTCctc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5548	5566	5557	(+)	0.875	0	ccagcccatcttGTTCctc
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	5548	5566	5557	(+)	0.916	0	ccagcccatcttGTTCctc
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	6978	6996	6987	(+)	0.856	0	gggtctcactctGTTCcca
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	8447	8465	8456	(+)	0.913	0	tcttaacttcgtGTTCaca
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	9642	9660	9651	(+)	0.862	0	attgtccctgctGTTCctc

GABARAPL1

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
5 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	471	489	480	(+)	0.801	0	ttttctctaaaTGTTcttt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	471	489	480	(+)	0.897	0	ttttctctaaatGTTCttt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	471	489	480	(+)	0.885	0	ttttctctaaatGTTCttt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	2026	2044	2035	(+)	0.864	0	gaggaagaatctGTTCcat
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	6408	6426	6417	(+)	0.848	0	atggaggaacaTGTTctta

GABARAPL2

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
12 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2490	2508	2499	(-)	0.871	0	catttacaatcTGTTctct
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2490	2508	2499	(-)	0.930	0	catttacaatctGTTCtct
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2490	2508	2499	(-)	0.952	0	catttacaatctGTTCtct
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	2490	2508	2499	(-)	0.891	0	catttacaatctGTTCtct
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	3467	3485	3476	(+)	0.903	0	gaggggaccctcaGTTCtgg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	4100	4118	4109	(+)	0.864	0	tcaatactactTGTTcttg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	4100	4118	4109	(+)	0.932	0	tcaatactacttGTTCttg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	4100	4118	4109	(+)	0.930	0	tcaatactacttGTTCttg
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	4100	4118	4109	(+)	0.855	0	tcaatactacttGTTCttg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5439	5457	5448	(+)	0.819	0	cacttccacaaTGTTcttg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5439	5457	5448	(+)	0.895	0	cacttccacaatGTTCttg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	6587	6605	6596	(-)	0.814	0	tagctatggaaTGTTctaa

MAP1LC3A

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
7 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	7868	7886	7877	(+)	0.815	0	atttctccttgTGTTctta
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7868	7886	7877	(+)	0.918	0	atttctccttgtGTTCtta
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7868	7886	7877	(+)	0.885	0	atttctccttgtGTTCtta
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8751	8769	8760	(+)	0.829	0	tcagtcttccaTGTTcttg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9576	9594	9585	(+)	0.820	0	ttctagcatccTGTTctat
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9576	9594	9585	(+)	0.951	0	ttctagcatcctGTTCtat
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9576	9594	9585	(+)	0.898	0	ttctagcatcctGTTCtat

MAP1LC3B2

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
7 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	1758	1776	1767	(+)	0.816	0	cctgtttatctTGTTctgc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2323	2341	2332	(+)	0.908	1	taaattcttggtGTTCcat
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9535	9553	9544	(+)	0.801	0	tccacccaccaTGTTctgg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9535	9553	9544	(+)	0.895	0	tccacccaccatGTTCtgg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9971	9989	9980	(+)	0.809	0	cctttccatttTGTTctct
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9971	9989	9980	(+)	0.918	0	cctttccattttGTTCtct
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9971	9989	9980	(+)	0.900	0	cctttccattttGTTCtct

MAP1LC3C

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
10 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	137	155	146	(-)	0.874	0	tttggagaggaTGTTctgg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	137	155	146	(-)	0.901	0	tttggagaggatGTTCtgg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	876	894	885	(-)	0.892	0	tcattacagccaGTTCtgg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	876	894	885	(-)	0.883	0	tcattacagccaGTTCtgg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2779	2797	2788	(-)	0.807	0	aattctctcctTGTTctct
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2779	2797	2788	(-)	0.904	0	aattctctccttGTTCtct
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2779	2797	2788	(-)	0.888	0	aattctctccttGTTCtct
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7131	7149	7140	(+)	0.878	0	ttgtcacattttGTTCatt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7131	7149	7140	(+)	0.870	0	ttgtcacattttGTTCatt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7290	7308	7299	(-)	0.895	0	acagctcttccaGTTCcca

MAP1LC3B

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
3 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	6674	6692	6683	(+)	0.894	0	aatgaaagatgTGTTcttg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	6674	6692	6683	(+)	0.877	0	aatgaaagatgtGTTCttg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8853	8871	8862	(-)	0.832	0	ttggctgttttTGTTcttt

RB1CC1

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
5 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	3615	3633	3624	(-)	0.805	0	cttctagttagTGTTctta
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7285	7303	7294	(-)	0.892	0	atttttccttcaGTTCtca
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9054	9072	9063	(+)	0.894	0	acctaacattttGTTCagt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9054	9072	9063	(+)	0.878	0	acctaacattttGTTCagt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	9054	9072	9063	(+)	0.851	0	acctaacattttGTTCagt

SNX4

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
11 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	1132	1150	1141	(+)	0.830	0	ctgataaattgTGTTctgt
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2266	2284	2275	(-)	0.805	0	tttccccatacTGTTctcg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2266	2284	2275	(-)	0.898	0	tttccccatactGTTCtcg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2266	2284	2275	(-)	0.892	0	tttccccatactGTTCtcg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5877	5895	5886	(-)	0.823	0	aatttcctgtgTGTTctgt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	5877	5895	5886	(-)	0.894	0	aatttcctgtgtGTTCtgt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5877	5895	5886	(-)	0.888	0	aatttcctgtgtGTTCtgt
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	6391	6409	6400	(+)	0.908	0	atatttcttggtGTTCcca
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7259	7277	7268	(+)	0.908	0	cagtctcattctGTTCcct
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7259	7277	7268	(+)	0.855	0	cagtctcattctGTTCcct
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8231	8249	8240	(-)	0.803	0	gccgagcatggTGTTgtgt

SNX30

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
8 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2905	2923	2914	(-)	0.811	0	gtgagcctttaTGTTctac
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	2905	2923	2914	(-)	0.933	0	gtgagcctttatGTTCtac
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2905	2923	2914	(-)	0.879	0	gtgagcctttatGTTCtac
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5840	5858	5849	(-)	0.820	0	ttgagaaacacTGTTctct
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	6738	6756	6747	(+)	0.812	0	gctccatgctgTGTTcttg
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9294	9312	9303	(+)	0.815	0	ctcatgctcgcTGTTctga
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9294	9312	9303	(+)	0.908	0	ctcatgctcgctGTTCtga
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9294	9312	9303	(+)	0.886	0	ctcatgctcgctGTTCtga

ULK1

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
10 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5142	5160	5151	(-)	0.827	0	actgagtatgaTGTTctcc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	7267	7285	7276	(+)	0.852	0	caaacactacaTGTTctca
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7267	7285	7276	(+)	0.931	0	caaacactacatGTTCtca
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7267	7285	7276	(+)	0.929	0	caaacactacatGTTCtca
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7267	7285	7276	(+)	0.858	0	caaacactacatGTTCtca
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8202	8220	8211	(+)	0.838	0	caggcgggtctTGTTctca
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	8855	8873	8864	(-)	0.847	0	gaggcacttgcTGTTatgt
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	9446	9464	9455	(-)	0.831	0	cccccactgccTGTTctcc
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9446	9464	9455	(-)	0.924	0	cccccactgcctGTTCtcc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9446	9464	9455	(-)	0.929	0	cccccactgcctGTTCtcc

ULK2

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
4 putative AREs								
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	388	406	397	(+)	0.853	0	aaagtacagcaaGTTCcca
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	9292	9310	9301	(+)	0.892	0	acctgacaatctGTTCctt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	9292	9310	9301	(+)	0.888	0	acctgacaatctGTTCctt
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	9292	9310	9301	(+)	0.898	0	acctgacaatctGTTCctt

WIPI1

Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
15 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	248	266	257	(+)	0.922	0	ggagttcagagTGTTctca
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	248	266	257	(+)	0.901	0	ggagttcagagtGTTCtca
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	248	266	257	(+)	0.950	1	ggagttcagagtGTTCtca
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	248	266	257	(+)	0.917	0	ggagttcagagtGTTCtca
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	1349	1367	1358	(+)	0.907	0	agggagctgtaTGTTctat
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	1349	1367	1358	(+)	0.924	0	agggagctgtatGTTCtat
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	1349	1367	1358	(+)	0.923	0	agggagctgtatGTTCtat
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	1349	1367	1358	(+)	0.875	0	agggagctgtatGTTCtat
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2708	2726	2717	(+)	0.803	0	tttgtccagcTGTTctta
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2708	2726	2717	(+)	0.880	0	ttttgtccagctGTTCtta
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	2721	2739	2730	(+)	0.871	0	ttcttacacctcGTTCtat
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	5101	5119	5110	(+)	0.817	0	acccgtctctgTGTTcttg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	5101	5119	5110	(+)	0.891	0	acccgtctctgtGTTCttg
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	5101	5119	5110	(+)	0.883	0	acccgtctctgtGTTCttg
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7069	7087	7078	(+)	0.900	0	agtaagcatgcaGTTCtgc

WIPI2								
Matrix	Detailed Matrix Information	from	to	anchor	Strand	Matrix sim.	#	Sequence
8 putative AREs								
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	519	537	528	(+)	0.875	0	agaggaaaactTGTTcttc
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	519	537	528	(+)	0.895	0	agaggaaaacttGTTCttc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	2779	2797	2788	(+)	0.821	0	tttgatatgagTGTTctgc
V$GREF/ARE.01	Androgene receptor binding site, IR3 sites	7668	7686	7677	(-)	0.840	0	aaagaactctaTGTTcaga
V$GREF/ARE.02	Androgene receptor binding site, IR3 sites	7668	7686	7677	(+)	0.920	0	tctgaacatagaGTTCttt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7668	7686	7677	(+)	0.928	0	tctgaacatagaGTTCttt
V$GREF/ARE.03	Androgene receptor binding site, IR3 sites	7668	7686	7677	(-)	0.905	0	aaagaactctatGTTCaga
V$GREF/ARE.04	Androgene receptor binding site, IR3 sites	7668	7686	7677	(-)	0.910	0	aaagaactctatGTTCaga