

**ST3:** List of the predicted binding sites for the transcription factors known to control autophagy

Sequence name	Factor name	Start position	End position	Dissimilarity	String	RE equally	RE query
Sequence	NF-kappaB [T00590]	401	412	11.379879	TGGGAAACTCGA	0.009	0.00704
Sequence	HIF-1 [T01609]	605	613	2.735708	ACGTGCCAC	0.0201	0.01428
Sequence	HIF-1 [T01609]	600	608	1.730353	CAGGCACGT	0.04019	0.0242
Sequence	p53 [T00671]	745	751	4.645444	CGCGCCC	0.10718	0.03485
Sequence	PPAR-alpha:RXR-alpha [T05221]	497	507	14.659739	TTGCCCAAGTT	0.06782	0.05126
Sequence	E2F-1 [T01542]	693	700	10.134154	TGATCCGC	0.14737	0.06899
Sequence	E2F-1 [T01542]	540	547	12.813402	ACCTCCGC	0.20096	0.07366
Sequence	E2F-1 [T01542]	697	704	11.888116	CCGCCCGC	0.20096	0.07989
Sequence	p53 [T00671]	696	702	5.133514	TCCGCC	0.21436	0.09784
Sequence	p53 [T00671]	496	502	3.024997	GTTGCC	0.21436	0.10711
Sequence	p53 [T00671]	803	809	2.813291	GCTGCC	0.21436	0.10711
Sequence	E2F-1 [T01542]	740	747	13.578236	GCCACCGC	0.32153	0.14301
Sequence	PR B [T00696]	760	766	0	CACTGTT	0.16077	0.19738
Sequence	PR B [T00696]	835	841	8.827054	AACAGAT	0.16077	0.19738
Sequence	PR B [T00696]	860	866	8.827054	AACAGCT	0.16077	0.19738
Sequence	XBP-1 [T00902]	365	370	0	ATGACT	0.42871	0.4661
Sequence	XBP-1 [T00902]	824	829	1.583727	ATGACA	0.42871	0.47108
Sequence	PR B [T00696]	657	663	9.743489	CCGTGTT	0.4823	0.49677
Sequence	PR B [T00696]	848	854	9.743489	GTGTGTT	0.4823	0.49677
Sequence	PR B [T00696]	99	105	8.338824	TTCTGTT	0.4823	0.49869
Sequence	PR B [T00696]	645	651	8.338824	AACAGGG	0.4823	0.49869
Sequence	GATA-1 [T00306]	226	231	0.105011	TATCTC	0.42871	0.55444
Sequence	GATA-1 [T00306]	837	842	0	CAGATA	0.42871	0.55444
Sequence	PR B [T00696]	116	122	11.636384	AGTTGTT	0.32153	0.55675
Sequence	PR B [T00696]	386	392	2.80933	AACAATA	0.32153	0.55675
Sequence	GATA-1 [T00306]	148	153	0.280028	TAGATA	0.42871	0.78292
Sequence	XBP-1 [T00902]	774	779	11.373637	ATGGCC	0.85742	0.79804
Sequence	XBP-1 [T00902]	825	830	11.373637	TGACAT	0.85742	0.79804
Sequence	XBP-1 [T00902]	516	521	9.789909	ATGGCG	0.85742	0.80282
Sequence	XBP-1 [T00902]	187	192	12.067266	CAGCAT	1.28613	1.26892
Sequence	XBP-1 [T00902]	1	6	13.650994	ATGCTC	1.28613	1.26912
Sequence	GATA-1 [T00306]	273	278	1.038567	ATGATA	0.85742	1.31089

Sequence	PR B [T00696]	69	75	11.148154	AACAAGG	0.9646	1.40567
Sequence	PR B [T00696]	193	199	11.148154	AACAAAG	0.9646	1.40567
Sequence	PR B [T00696]	429	435	11.148154	TTTTGTT	0.9646	1.40567
Sequence	PR B [T00696]	434	440	11.148154	TTTTGTT	0.9646	1.40567
Sequence	PR B [T00696]	439	445	11.148154	TTTTGTT	0.9646	1.40567
Sequence	PR B [T00696]	455	461	11.148154	TTTTGTT	0.9646	1.40567
Sequence	PR B [T00696]	821	827	11.148154	AACATGA	0.9646	1.40567
Sequence	XBP-1 [T00902]	113	118	7.172312	ATGAGT	1.28613	1.78303
Sequence	XBP-1 [T00902]	136	141	7.172312	ATGATG	1.28613	1.78303
Sequence	XBP-1 [T00902]	379	384	7.172312	ATGAGT	1.28613	1.78303
Sequence	XBP-1 [T00902]	273	278	8.75604	ATGATA	1.28613	1.80345
Sequence	XBP-1 [T00902]	692	697	8.75604	ATGATC	1.28613	1.80345
Sequence	C/EBPbeta [T00581]	82	85	1.639871	CCAA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	126	129	1.366559	TTGA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	144	147	1.639871	TTGG	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	160	163	1.639871	CCAA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	221	224	1.366559	TTGA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	235	238	1.366559	TTGA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	292	295	1.639871	CCAA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	445	448	1.639871	TTGG	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	464	467	1.639871	TTGG	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	475	478	1.366559	TTGA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	501	504	1.639871	CCAA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	506	509	1.639871	TTGG	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	527	530	1.639871	TTGG	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	557	560	1.366559	TCAA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	583	586	1.639871	CCAA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	677	680	1.366559	TCAA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	706	709	1.639871	TTGG	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	714	717	1.639871	CCAA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	814	817	1.366559	TTGA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	818	821	1.639871	CCAA	6.85938	7.77501
Sequence	C/EBPbeta [T00581]	18	21	0	TTGT	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	24	27	0	TTGT	6.85938	7.94956

Sequence	C/EBPbeta [T00581]	70	73	0	ACAA	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	118	121	0	TTGT	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	121	124	0	TTGC	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	194	197	0	ACAA	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	355	358	0	GCAA	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	387	390	0	ACAA	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	431	434	0	TTGT	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	436	439	0	TTGT	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	441	444	0	TTGT	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	457	460	0	TTGT	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	497	500	0	TTGC	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	513	516	0	GCAA	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	537	540	0	GCAA	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	630	633	0	TTGT	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	780	783	0	TTGC	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	801	804	0	TTGC	6.85938	7.94956
Sequence	C/EBPbeta [T00581]	846	849	0	TTGT	6.85938	7.94956

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Source

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Tamatani et al. (1999); Shaw et al. (2008); B Copetti et al. (2009); Ling et al. (2012); Lin et al. (2015)  
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