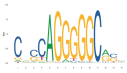
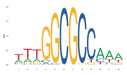
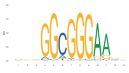
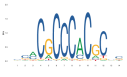
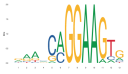
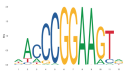
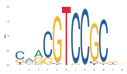
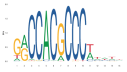
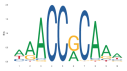
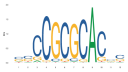
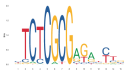
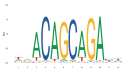
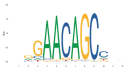
Transcription factor	Tissue (CpG position)	Binding motif	Publications (keywords entered in GeneCards)			
			FGF2, FGFR1, growth factors	Alcohol, abuse, addiction, drugs	Methylation, epigenetic	PFC, Nac, DLS, DMS, VTA, SNc, striatal, mesolimbic, reward
Arnt Aryl hydrocarbon receptor nuclear translocator	DLS (702)		Mizuta et al., 2008	Attignon et al., 2017 Morris et al., 2018		
Arnt2 Aryl Hydrocarbon Receptor Nuclear Translocator 2	DLS (702)				Yin et al., 2017	
ASCL2 Achaete-Scute Family BHLH Transcription Factor 2	VTA (643)		Hughes et al., 2004		Yin et al., 2017	
ATF1 Activating Transcription Factor 1	VTA (639)		Tan et al., 1996			
ATF3 Activating Transcription Factor 3	DMS (307) VTA (639)		Tan et al., 1994	Mallory et al., 2005; Jutooru et al., 2009		
CREB1 CAMP Responsive Element Binding Protein	VTA (639)		Tan et al., 1996; Stachowiak et al., 2003	Tabakoff et al., 2009; Schumann et al., 2008; Chen et al., 2015; Chanda et al., 2013; Paul et al., 2010; Mahajan et al., 2009; Pandey et al., 2004; Blendy et al., 1998; Wolf et al., 2016; Dinieri et al., 2009; Nestler er al., 2006; Jaworski et al., 2006; Olson et al., 2005		Dinieri et al., 2009; Nestler er al., 2006; Jaworski et al., 2006; Olson et al., 2005
CREB3L1 Cyclic AMP-responsive element-binding protein 3-like protein 1	DLS (307)		Zhu et al., 2016			
CREM CAMP Responsive Element Modulator	VTA (639)			Miller et al., 2018	Yin et al., 2017	Miller et al., 2018
CTCFL CCCTC-Binding Factor Like	DLS (268; 307) VTA (669)					
Ddit3 DNA damage-inducible transcript 3 protein **Cebpa** CCAAT/enhancer-binding protein alpha	Blood (174bp)					
E2F1 E2F Transcription Factor 1	DLS (268) NAc (342) VTA (636) PFC (700)		Zhou et al., 2020; Kanai et al., 2009; Parakati et al., 2005; Stapelberg et al., 2004	Major et al., 2017	Yin et al., 2017	
E2F6 E2F Transcription Factor 6	VTA (636)					
EGR1 Early Growth Response 1	DLS (268;702) VTA (588) PFC (660, 700)		Kundumani-Sridharan et al., 2010; Fahmy et al., 2003; Shi et al., 2018; Passiatore et al., 2011; Nentwich et al., 2009; Perez-Castro et al., 1997; Bhindi et al., 2005; Midgley et al., 2004; Jin et al., 2000;	Li et al., 2019; Pritchard et al., 2005; Shin et al., 2021; Thomes et al., 2013; Quiñones et al., 2003;	Zandarashvili et al., 2015;	
ELF1 E74 Like ETS Transcription Factor 1	PFC (660)				Yin et al., 2017	
ELF2 E74 Like ETS Transcription Factor 2	Nac (342)				Yin et al., 2017	
ELK4 ETS Transcription Factor ELK4	NAc (342)				Yin et al., 2017	

Transcription factor	Tissue (CpG position)	Binding motif	Publications (keywords entered in GeneCards)			
			FGF2, FGFR1, growth factors	Alcohol, abuse, addiction, drugs	Methylation, epigenetic	PFC, Nac, DLS, DMS, VTA, SNc, striatal, mesolimbic, reward
Fli1 Friend Leukemia Integration 1 Transcription Factor	NAc (342)				Yin et al., 2017	
FOS Fos Proto-Oncogene, AP-1 Transcription Factor Subunit	DLS (268)		Kim et al., 2003; Hofer et al., 2005; Weekes et al., 2016; Lee et al., 2013; Rosenthal et al., 2005; Wang et al., 2004; Li et al., 2010; Kang et al., 2005; Taniguchi et al., 2003	Samaha et al., 2004; Tabakoff et al., 2009; Bichenkov et al., 2009; Raatesalmi et al., 2002; Alling et al., 1994; Alling et al., 1993; Valjent et al., 2000		Johnson et al., 2010; Perrotti et al., 2004; Valjent et al., 2000
Gfi1b Growth Factor Independent 1B Transcription Repressor	Blood (174bp)					
HINFP Histone H4 Transcription Factor	DMS (307) PFC(660)				Pulukuri et al., 2006	
KLF1 Kruppel Like Factor 1	PFC (700)					
KLF12 Kruppel Like Factor 12	DMS (278)				Yin et al., 2017	
KLF15 Kruppel Like Factor 15	DMS (278)				Yin et al., 2017	
MAX MYC Associated Factor X	DLS (702)					
MAZ Myc-associated zinc finger protein	VTA (558)					
MBD2 Methyl-CpG Binding Domain Protein 2	DMS (278) NAc (381)			Bönsch et al., 2006	Ghoshal et al., 2004; Jin et al., 2005; Tan et al., 2006; Xing et al., 2008	
MXI1 MAX Interactor 1, Dimerization Protein	DLS (702)					
MYC MYC Proto-Oncogene, BHLH Transcription Factor	VTA (643) DLS (702)		Park et al., 2020; Ronca et al., 2020; Azarnezhad et al., 2018; Liu et al., 2017; Park et al., 2016; Xue et al., 2015; Bhattacharyya et al., 2020;	Nakahara et al., 2003; Sauders et al., 1995a; Sauders et al., 1995b		
MYCN N-myc proto-oncogene protein	DMS (307) DLS (702) PFC(660)					
NRF1 Nuclear Respiratory Factor 1	DLS (268) VTA (588) PFC (660)					
RUNX3 Runt-Related Transcription Factor 3	Blood (174)					
SP1 Specificity Protein 1	DMS (278)		Shi et al., 2016M Chan et al., 2010; Wang et al., 2010; Waters et al., 2009; Boer et al., 2005; Perez-Castro et al., 1997; Bonello et al., 2004; Chen et al., 2017; Chang et al., 2014; Benjamin et al., 2010; Midgley et al., 2004; Cole et al., 1997; Bermudez et al., 2008	Hedrick et al., 2016; Norkina et al., 2007; Hur et al., 1992; Edenberg et al., 1992; Do et al., 2013; Zhang et al., 2015;	Furuta et al., 2008; Mudduluru et al., 2008; Liu et al., 2008; Yu et al., 2020; Norkina et al., 2007	

Transcription factor	Tissue (CpG position)	Binding motif	Publications (keywords entered in GeneCards)			
			FGF2, FGFR1, growth factors	Alcohol, abuse, addiction, drugs	Methylation, epigenetic	PFC, Nac, DLS, DMS, VTA, SNc, striatal, mesolimbic, reward
SP3 Specificity Protein 3	PFC (700)			Gromnicova et al., 2012		
SPDEF SAM Pointed Domain Containing ETS Transcription Factor	NAc (381)			Tay et al., 2019	Yin et al., 2017	
TAF1 TATA-Box Binding Protein Associated Factor 1	DMS (307) VTA (639; 643) PFC (660)					
TYY1 Transcriptional Repressor Protein YY1	Nac (552) DLS (552) VTA (558; 609)			Hur et al., 1992	Yin et al., 2017; Buira et al., 2010; Zhang et al., 2016; Mahadevan et al., 2014	
YY2 Transcription Factor Yin Yang 2	NAc (552) DLS (552) VTA (558)				Yin et al., 2017	
ZBED1 Zinc Finger BED-Type Containing 1	VTA (636)				Yin et al., 2017	
ZBTB12 Zinc Finger And BTB Domain Containing 12	VTA (609)					
ZBTB14 Zinc Finger And BTB Domain Containing 14	DLS (268) NAc (342; 381) PFC (660) VTA (669)				Yin et al., 2017	
ZBTB33 Zinc Finger And BTB Domain Containing 33	VTA (636) PFC (660)					
Zic2 Zinc finger protein 2	Blood (174)					
ZNF317 Zinc finger protein 317	Blood (174)					
ZNF341 Zinc Finger Protein 341	VTA (669)					
ZNF460 Zinc Finger Protein 460	VTA (558)				Yin et al., 2017	