

Characterization of microsatellites in the genome and EST sequences of the placozoan *Trichoplax adhaerens*

Mononucleotide		Dinucleotide		Trinucleotide		Tetranucleotide		Pentanucleotide		Hexanucleotide	
Genome	EST	Genome	EST	Genome	EST	Genome	EST	Genome	EST	Genome	EST
A ¹ (274 ²)	A (273)	AT (1338)	AT (52)	AAT (605)	AAG (309)	AATT (252)	AATT (10)	ACAGT (5624)	ACAGT (14)	AACCC (53)	ACGTCC (12)
C (193)	C (4)	AG (268)	AG (6)	ATC (210)	ACG (111)	AAAT (205)	ATAC (6)	AAAAT (302)	AAAAC (7)	AAAATT (33)	AACGTG (2)
		AC (52)		AAG (114)	AAT (15)	AATC (99)	ACGC (2)	AAATT (287)	AAAAT (6)	AAAAAG (19)	AAAAAT (2)
				AAC (96)	ACC (11)	AAAG (42)	AGCC (2)	AATAT (136)	AAATT (4)	AAAAAT (19)	ATCACC (1)
				ACT (57)	CCG (7)	ATAG (36)	ACTG (2)	ACCGT (95)	ACCGT (4)	AATTAT (19)	AAAAAG (1)
				AGC (29)	ATC (7)	ATAC (24)	AAAT (1)	ACTCT (61)	AATAC (2)	ATATAC (13)	
				ACC (21)	AAC (5)	AATG (21)		AACCG (58)	AATTC (2)	ACTGGT (11)	
				AGG (17)		ACTG (18)		AATTC (54)	AACAT (2)	AATACT (11)	
				ACG (16)		AACT (13)		AAAAG (41)	ACCCC (2)	AATAGT (9)	
						ACAG (10)		ATACT (41)	AAAAG (2)	AAATTT (9)	
						AAGT (10)		AATAC (34)	ACTCT (1)	AAGATG (8)	
						AAAC (8)		AATAG (32)		AAAATC (7)	
						AAGG (7)		AAATG (31)		AAATAT (7)	
						ACCG (4)		AAATC (29)		ATATAG (7)	
						AGGG (4)		ACTGG (26)		AGCCTG (7)	
						ATCG (4)		AAACT (24)		ATCGTC (6)	
						ATCC (4)		ACCGG (23)		AACAGC (5)	
						AGCT (3)		ACCAG (20)		AATAAG (5)	
						ACTC (3)		AAAGT (20)		AAATAG (4)	
						AGCC (3)		AATCT (19)		ACTAGT (4)	
						AACC (2)		AATGT (19)		AAATTG (4)	
						ACCT (2)		ATATC (19)		ACTGCT (3)	
						AGCG (2)		AAGCT (16)		AACTAT (3)	
						AAGC (2)		AATCC (13)		AATTAG (3)	
						ATGC (2)		AATGC (12)		AAATTC (3)	
						AACG (1)		AACTG (12)		AATTAC (3)	
								ATAGG (10)		AATGCC (3)	
								AAGTG (10)		AAATGC (3)	
								AACAT (10)		AATAAC (3)	
								ACACT (9)		ATCAGC (3)	
								AAAAC (9)		AATATC (3)	
								AACTT (9)		AGCAGG (3)	
								AAGAT (7)		AATGAT (2)	
								ACAGC (6)		AAATAC (2)	
								AGGCC (6)		AAACAG (2)	
								ATGAC (6)		AAGTAG (2)	
								AAAGG (6)		AAAATG (2)	
								AAGGC (6)		AAATCG (2)	
								ATAGC (5)		AGAGGC (2)	
								ACTAG (5)		AATATG (2)	

[illegible]

											ATAGCG (1)	
											ACCGAG (1)	
											ATCACG (1)	
											AATCTG (1)	
											ACGAGG (1)	
											AAATGG (1)	
											ACTCGT (1)	
											AACGAT (1)	
											ACAGGC (1)	
											ACTCGC (1)	
											AATCAG (1)	
											ACTACC (1)	
											AACTAC (1)	
											ATAGGC (1)	
											AACTTG (1)	
											AAACAT (1)	
											AAAGAT (1)	
											AGAGCG (1)	
											AACGTG (1)	
											AATCCT (1)	
											AATAGC (1)	
											AAGCTG (1)	
											ATAGAG (1)	
											AAGCAG (1)	
											ACTACG (1)	
											AATGCT (1)	
											ACGCAG (1)	
											AAAGTC (1)	
Total	467 (4.0% ³)	277 (31.2%)	1658 (14.2%)	58 (6.5%)	1165 (10.0%)	465 (52.4%)	781 (6.7%)	23 (2.6%)	7233 (61.8%)	46 (5.2%)	393 (3.4%)	18 (2.0%)

1. Repeat motif type; 2. Total number of a given motif type; 3. Percentage of a given motif type in the genome- or EST-derived microsatellites.