

Supplementary Material

Aberrant expression of TAR DNA binding protein-43 is associated with spermatogenic disorders in men

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	>>>>>>>>	20	40	60	80	100	
EF_434181		ATGTCTGAATATATTCGGGTAAACCGAAGATGAGAACGATGAGCCCATTTGAAATACCATCGGAAGACGATGGGACGGTGCCTCTCCACGGTTACAGCCGCAAGTTTC					: 106
EF_434182		ATGTCTGAATATATTCGGGTAAACCGAAGATGAGAACGATGAGCCCATTTGAAATACCATCGGAAGACGATGGGACGGTGCCTCTCCACGGTTACAGCCGCAAGTTTC					: 106
EF_434183		ATGTCTGAATATATTCGGGTAAACCGAAGATGAGAACGATGAGCCCATTTGAAATACCATCGGAAGACGATGGGACGGTGCCTCTCCACGGTTACAGCCGCAAGTTTC					: 106
		220	240	260	280	300	3
EF_434181		GGTGTATGTTGTCACATATCCAAAGATAACAAAGAAAAATGGATGACAGAGATGCTTCATCAGCAGTGAAGGTGAAAGAGCAGTCCAGAAAAATCCGATTFTA					: 318
EF_434182		GGTGTATGTTGTCACATATCCAAAGATAACAAAGAAAAATGGATGACAGAGATGCTTCATCAGCAGTGAAGGTGAAAGAGCAGTCCAGAAAAATCCGATTFTA					: 318
EF_434183		GGTGTATGTTGTCACATATCCAAAGATAACAAAGAAAAATGGATGACAGAGATGCTTCATCAGCAGTGAAGGTGAAAGAGCAGTCCAGAAAAATCCGATTFTA					: 261
		540	560	580	600	620	
EF_434181		TCCTAATTTCTAAGCAAAAGCCAAGATGAGCCTTTGAGAAGCAGAAAAGTGGTTGTGGGGCGCTGTACAGAGGACATGACTGAGGATGAGCTCGGGGAGTTCTCTCT					: 636
EF_434182		TCCTAATTTCTAAGCAAAAGCCAAGATGAGCCTTTGAGAAGCAGAAAAGTGGTTGTGGGGCGCTGTACAGAGGACATGACTGAGGATGAGCTCGGGGAGTTCTCTCT					: 636
EF_434183		TCCTAATTTCTAAGCAAAAGCCAAGATGAGCCTTTGAGAAGCAGAAAAGTGGTTGTGGGGCGCTGTACAGAGGACATGACTGAGGATGAGCTCGGGGAGTTCTCTCT					: 279
		760	780	800	820	840	
EF_434181		TGATCATTTAAAGGAATCAGCGTTTCATATATCCATCCCGGAACCTAAGCAACAATAGCAATAGACAGTTAGAAAGAGTGGGAATTTGGTGGTAATCCAGGTGGCTT					: 848
EF_434182		TGATCATTTAAAGGAATCAGCGTTTCATATATCCATCCCGGAACCTAAGCAACAATAGCAATAGACAGTTAGAAAGAGTGGGAATTTGGTGGTAATCCAGGTGGCTT					: 848
EF_434183		TGATCATTTAAAGGAATCAGCGTTTCATATATCCATCCCGGAACCTAAGCAACAATAGCAATAGACAGTTAGAAAGAGTGGGAATTTGGTGGTAATCCAGGTGGCTT					: 475
		860	880	900	920	940	
EF_434181		TGGGAATCAGCGGTGGTTTTCGAATACGACGGGGTGAGCTGGTTTGAACAACCAAGTACAGTGAATGGGTGCGGGATGCAATGGTGGCTTCAGCATC					: 954
EF_434182		TGGGAATCAGCGGTGGTTTTCGAATACGACGGGGTGAGCTGGTTTGAACAACCAAGTACAGTGAATGGGTGCGGGATGCAATGGTGGCTTCAGCATC					: 954
EF_434183		TGGGAATCAGCGGTGGTTTTCGAATACGACGGGGTGAGCTGGTTTGAACAACCAAGTACAGTGAATGGGTGCGGGATGCAATGGTGGCTTCAGCATC					: 486
		1080	1100	1120	1140	1160	
EF_434181		AAAAACAGGCAACATCGACAGGGGAGCCAAACAGCGCTTCGGTTCTCGGAATAAATCTTATACGCGCTCTAATTTGGTGCAGCAATTCGTTGGGAGCAGCATC					: 1166
EF_434182		AAAAACAGGCAACATCGACAGGGGAGCCAAACAGCGCTTCGGTTCTCGGAATAAATCTTATACGCGCTCTAATTTGGTGCAGCAATTCGTTGGGAGCAGCATC					: 1166
EF_434183		AAAAACAGGCAACATCGACAGGGGAGCCAAACAGCGCTTCGGTTCTCGGAATAAATCTTATACGCGCTCTAATTTGGTGCAGCAATTCGTTGGGAGCAGCATC					: 698
		1180	1200	1220	1240	1260	
EF_434181		CAATGCAGGGTCGGGCACTGGTTTAAATGGAGGCTTTGGCTCAAGCATGGATCTAAGTCTTCTGGCTGGGGAATGAATCACTAC					: 1251
EF_434182		CAATGCAGGGTCGGGCACTGGTTTAAATGGAGGCTTTGGCTCAAGCATGGATCTAAGTCTTCTGGCTGGGGAATGAATCACTAC					: 1266
EF_434183		CAATGCAGGGTCGGGCACTGGTTTAAATGGAGGCTTTGGCTCAAGCATGGATCTAAGTCTTCTGGCTGGGGAATGAATCACTAC					: 783
		1280					
EF_434181		-----	-				
EF_434182		GGTAT	: 1271				
EF_434183		-----	-				
		GGTAT					

ABC032290.1 : MSEYIRVTEDENDIEPIPSDDTGVLSTVTAQFPAGCGLRYRNVPSCMGVRVLVEGILHAPDAGMGNLVYVVPKDKRRKMDTASSAVKRRVAKVQKTSDLIV : 108
 ABC032291.1 : MSEYIRVTEDENDIEPIPSDDTGVLSTVTAQFPAGCGLRYRNVPSCMGVRVLVEGILHAPDAGMGNLVYVVPKDKRRKMDTASSAVKRRVAKVQKTSDLIV : 108
 ABC032292.1 : MSEYIRVTEDENDIEPIPSDDTGVLSTVTAQFPAGCGLRYRNVPSCMGVRVLVEGILHAPDAGMGNLVYVVPKDKRRKMDTASSAVKRRVAKVQKTSDLIV : 87
 ABC032290.1 : LGLPWKTTQDLKEYFSTFGEVLMVQVKDKLGTGHSKGFVFRFTEYETQVKVMSQRHMDGRWCCKLPNSKQSQDEPLSRKRVFVGRCTEDMTDELREFFSQYGD : 216
 ABC032291.1 : LGLPWKTTQDLKEYFSTFGEVLMVQVKDKLGTGHSKGFVFRFTEYETQVKVMSQRHMDGRWCCKLPNSKQSQDEPLSRKRVFVGRCTEDMTDELREFFSQYGD : 216
 ABC032292.1 : LGLPWKTTQDLKEYFSTFGEVLMVQVKDKLGTGHSKGFVFRFTEYETQVKVMSQRHMDGRWCCKLPNSKQSQDEPLSRKRVFVGRCTEDMTDELREFFSQYGD : 97
 ABC032290.1 : VMDVFIPKPFRAFVFATDDQIAQSLCGEDLLIIGISVHISNAEPKHSNRQLERSGRFGNGPGFGNQGGFGNSRGGGAGLGNNGQSNMGGGNNFGAFSINPAMMA : 324
 ABC032291.1 : VMDVFIPKPFRAFVFATDDQIAQSLCGEDLLIIGISVHISNAEPKHSNRQLERSGRFGNGPGFGNQGGFGNSRGGGAGLGNNGQSNMGGGNNFGAFSINPAMMA : 324
 ABC032292.1 : VMDVFIPKPFRAFVFATDDQIAQSLCGEDLLIIGISVHISNAEPKHSNRQLERSGRFGNGPGFGNQGGFGNSRGGGAGLGNNGQSNMGGGNNFGAFSINPAMMA : 168
 ABC032290.1 : ACAAALQSGWGMGMLASQCNQSGPSCNNQCNQCNQREPNQAFGSGNNYSYSGNSGAAIGWGSASNAGSGSGFNGGSGMSDSSKSGWMNH : 416
 ABC032291.1 : ACAAALQSGWGMGMLASQCNQSGPSCNNQCNQCNQREPNQAFGSGNNYSYSGNSGAAIGWGSASNAGSGSGFNGGSGMSDSSKSGWMNH : 414
 ABC032292.1 : ACAAALQSGWGMGMLASQCNQSGPSCNNQCNQCNQREPNQAFGSGNNYSYSGNSGAAIGWGSASNAGSGSGFNGGSGMSDSSKSGWMNH : 260

Nucleotide (top) and amino acid (bottom) sequences are represented. Forward and reverse primers spanning start and stop codons have been marked with ‘>’ and ‘<’ symbols, respectively.

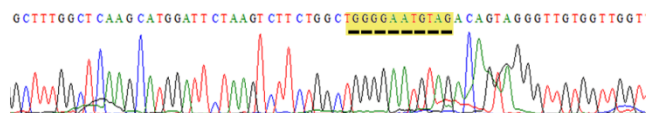


Fig. 2. A portion of the chromatogram confirming the expression of 1245 nucleotide long *TARDBP* transcript in fertile sperm cDNA. Sequence unique to 1245 nt variant is highlighted in yellow.