

SUPPLEMENTARY MATERIALS

ORIGIN			
6Mon.seq	ATGAACGAAAATCTATTTGCCTCTTTCATTAACCCCAAA	40	
24Mon.seq	ATGAACGAAAATCTATTTGCCTCTTTCATTAACCCCAAA	40	
24Mon-TP.seq	ATGAACGAAAATCTATTTGCCTCTTTCATTAACCCCAAA	40	
Consensus	atgaacgaaaatctat ttgcctctttcat ta ccccca aa		
6Mon.seq	TAATAGGTCACCAATTGTTGTAAACCAATTAATGTTCCC	80	
24Mon.seq	TAATAGGTCACCAATTGTTGTAAACCAATTAATGTTCCC	80	
24Mon-TP.seq	TAATAGGTCACCAATTGTTGTAAACCAATTAATGTTCCC	80	
Consensus	ta atagg tctaccaattgtgtaa ccaattatgttccc		
6Mon.seq	ATCAATTCTATTTCCCATCATCAAAAAGCCTAATCAGCAAC	120	
24Mon.seq	ATCAATTCTATTTCCCATCATCAAAAAGCCTAATCAGCAAC	120	
24Mon-TP.seq	ATCAATTCTATTTCCCATCATCAAAAAGCCTAATCAGCAAC	120	
Consensus	atcaattctat tcccatcat caaaaagccta atcagcaac		
6Mon.seq	CGACTACACTCATTCAACACTGACTAATCAAACCTTATCA	160	
24Mon.seq	CGACTACACTCATTCAACACTGACTAATCAAACCTTATCA	160	
24Mon-TP.seq	CGACTACACTCATTCAACACTGACTAATCAAACCTTATCA	160	
Consensus	cgactacactcatttcaacactgactaatcaaacctt atca		
6Mon.seq	TCAAACAATAATGTTAATCCACACCAAAAAGGACGAAC	200	
24Mon.seq	TCAAACAATAATGTTAATCCACACCAAAAAGGACGAAC	200	
24Mon-TP.seq	TCAAACAATAATGTTAATCCACACCAAAAAGGACGAAC	200	
Consensus	tcaaac aataatgtt aatccacac caaaaaggacgaac		
6Mon.seq	CTGAGCCCTAATAATGTATCCCTAATTAATTTATTTGGC	240	
24Mon.seq	CTGAGCCCTAATAATGTATCCCTAATTAATTTATTTGGC	240	
24Mon-TP.seq	CTGAGCCCTAATAATGTATCCCTAATTAATTTATTTGGC	240	
Consensus	ctgagccctaa taattgtatcccctaattatattttggc		
6Mon.seq	TCAACCAACCTTCTAGGGCTTCTTCCCATACATTTACCC	280	
24Mon.seq	TCAACCAACCTTCTAGGGCTTCTTCCCATACATTTACCC	280	
24Mon-TP.seq	TCAACCAACCTTCTAGGGCTTCTTCCCATACATTTACCC	280	
Consensus	tcaaaccaacctctagggttcttcccatacat ttacc		
6Mon.seq	CTACCACTCAGCTATCTATAAACCTAAGCATAGCCATCCC	320	
24Mon.seq	CTACCACTCAGCTATCTATAAACCTAAGCATAGCCATCCC	320	
24Mon-TP.seq	CTACCACTCAGCTATCTATAAACCTAAGCATAGCCATCCC	320	
Consensus	ctaccactcagcta tctataaacctaagcatagccatccc		
6Mon.seq	CCATATGAGCAGGAGCCGTAATTCTAGGCTTCGACACAAA	360	
24Mon.seq	CCATATGAGCAGGAGCCGTAATTCTAGGCTTCGACACAAA	360	
24Mon-TP.seq	CCATATGAGCAGGAGCCGTAATTCTAGGCTTCGACACAAA	360	
Consensus	cctatgagcaggagccgtaattctaggcttcgacacaaa		
6Mon.seq	CTAAAAAATCTTTAGCCACTTCTTACC GCAAGGAACCC	400	
24Mon.seq	CTAAAAAATCTTTAGCCACTTCTTACC GCAAGGAACCC	400	
24Mon-TP.seq	CTAAAAAATCTTTAGCCACTTCTTACC GCAAGGAACCC	400	
Consensus	ctaaaaaatcttt agccacttcttaccgcaaggaaacc		
6Mon.seq	CCATCTACTAATTC C CATACTAATCATCATCGAAACTAT	440	
24Mon.seq	CCATCTACTAATTC C CATACTAATCATCATCGAAACTAT	440	
24Mon-TP.seq	CCATCTACTAATTC C CATACTAATCATCATCGAAACTAT	440	
Consensus	ccatctactaattcccatactaatcatcatcgaaactat		
6Mon.seq	CAGCCTATTTATTC AACCGATAGCAGTAGCAGTACGACTA	480	
24Mon.seq	CAGCCTATTTATTC AACCGATAGCAGTAGCAGTACGACTA	480	
24Mon-TP.seq	CAGCCTATTTATTC AACCGATAGCAGTAGCAGTACGACTA	480	
Consensus	cagcctatttattcaaccgatagcactagcagtagcagacta		
6Mon.seq	ACAGCAAACATTAACAGCAGGCCATCTATTAATGCATCTAA	520	
24Mon.seq	ACAGCAAACATTAACAGCAGGCCATCTATTAATGCATCTAA	520	
24Mon-TP.seq	ACAGCAAACATTAACAGCAGGCCATCTATTAATGCATCTAA	520	
Consensus	acagcaaacat tacagaggccatctattaatgcatctaa		
6Mon.seq	TCGGAGGAGCTACTTAGTACTTATAGACATCAGCCACC	560	
24Mon.seq	TCGGAGGAGCTACTTAGTACTTATAGACATCAGCCACC	560	
24Mon-TP.seq	TCGGAGGAGCTACTTAGTACTTATAGACATCAGCCACC	560	
Consensus	t cggaggagctactctagtactt atagacatcagccacc		
6Mon.seq	AA CCGCTACAATTACATTTAATTTACTACTTACTTACA	600	
24Mon.seq	AA CCGCTACAATTACATTTAATTTACTACTTACTTACA	600	
24Mon-TP.seq	AA CCGCTACAATTACATTTAATTTACTACTTACTTACA	600	
Consensus	aaccgctacaattacat tttat tttactacttctacttaca		
6Mon.seq	GTACTTGAATTTGCCGTAGCCTTAATCAAGCCTATGTAT	640	
24Mon.seq	GTACTTGAATTTGCCGTAGCCTTAATCAAGCCTATGTAT	640	
24Mon-TP.seq	GTACTTGAATTTGCCGTAGCCTTAATCAAGCCTATGTAT	640	
Consensus	gtacttgaatttgcgtagccttaattcaagcctatgtat		
6Mon.seq	TCACCCTTCTAGTAAGCCTGTACCTACATGATAACACATA	680	
24Mon.seq	TCACCCTTCTAGTAAGCCTGTACCTACATGATAACACATA	680	
24Mon-TP.seq	TCACCCTTCTAGTAAGCCTGTACCTACATGATAACACATA	680	
Consensus	tcaaccttctagtaagcctgtacctacatgataaacacata		
6Mon.seq	A	681	
24Mon.seq	A	681	
24Mon-TP.seq	A	681	
Consensus	a		

Supplementary Material 1. Comparison of ATP6 DNA sequences in the substantia nigra among 6Mon, 24Mon and 24Mon-TP rats. Identity=100%. (n=3 rats/group).

ORIGIN			
6Mon.seq	ATGCCACAAC TAGACACATCCACATGATTTATTACAATCA	40	
24Mon.seq	ATGCCACAAC TAGACACATCCACATGATTTATTACAATCA	40	
24Mon-TP.seq	ATGCCACAAC TAGACACATCCACATGATTTATTACAATCA	40	
Consensus	atgccacaactagacacatccacatgattattacaatca		
6Mon.seq	TCTCTCAATAGCCACACTATTTATTTTATTTCAATTAAA	80	
24Mon.seq	TCTCTCAATAGCCACACTATTTATTTTATTTCAATTAAA	80	
24Mon-TP.seq	TCTCTCAATAGCCACACTATTTATTTTATTTCAATTAAA	80	
Consensus	tctcctcaatagccacactatttattttatttcaataaa		
6Mon.seq	AATTTCTTCCAAAACCTTTCCTGCACCTCCCTCACCCAAA	120	
24Mon.seq	AATTTCTTCCAAAACCTTTCCTGCACCTCCCTCACCCAAA	120	
24Mon-TP.seq	AATTTCTTCCAAAACCTTTCCTGCACCTCCCTCACCCAAA	120	
Consensus	aatttcttccaaaaccttctcctgcacctcctcacccaaa		
6Mon.seq	ACTATAGCTACAGAAAAACGAATAACCCCTTGAGAAATCAA	160	
24Mon.seq	ACTATAGCTACAGAAAAACGAATAACCCCTTGAGAAATCAA	160	
24Mon-TP.seq	ACTATAGCTACAGAAAAACGAATAACCCCTTGAGAAATCAA	160	
Consensus	actatagctacagaaaaacgaataaaccttgagaatcaa		
6Mon.seq	AATGAACGAAAATCTATTTGCCTCTTTCATTACCCCCACA	200	
24Mon.seq	AATGAACGAAAATCTATTTGCCTCTTTCATTACCCCCACA	200	
24Mon-TP.seq	AATGAACGAAAATCTATTTGCCTCTTTCATTACCCCCACA	200	
Consensus	aatgaacgaaaatctatttgcctctttcattacccccaca		
6Mon.seq	ATAA	204	
24Mon.seq	ATAA	204	
24Mon-TP.seq	ATAA	204	
Consensus	ataa		

Supplementary Material 2. Comparison of ATP8 DNA sequences in the substantia nigra among 6Mon, 24Mon and 24Mon-TP rats. Identity=100%. (n=3 rats/group).