

Additional file 1: Table S1. Parameters of SRM assay of TEX101 protein. K*, heavy isotope-labeled *L*-Lysine ($^{13}\text{C}_6$, $^{15}\text{N}_2$); R*, heavy isotope-labeled *L*-Arginine ($^{13}\text{C}_6$, $^{15}\text{N}_4$); IS, spike-in internal standard; Q1 and Q3; first and third quadrupoles of the triple quadrupole mass spectrometer; CE, collision energy. Heavy isotope-labeled peptides AGTETAILATK and QIQTSSSQTSPEEAMGTPR included C-term quantifying JPT tags (serine-alanine-[3-nitro] tyrosine-glycine) which were cleaved by trypsin prior to SRM analysis

TEX101 peptide	Q1 (m/z)	Q3 (m/z)	CE (V)	Scan time (ms)	Retention time (min)	Peptide type
AGTETAILATK	538.3	717.5	21.6	40	12.4	Light endogenous
AGTETAILATK	538.3	846.5	21.6	40	12.4	Light endogenous
AGTETAILATK	538.3	1004.6	21.6	40	12.4	Light endogenous
AGTETAILATK*	542.3	725.5	21.6	40	12.4	Heavy IS
AGTETAILATK*	542.3	854.5	21.6	40	12.4	Heavy IS
AGTETAILATK*	542.3	1012.6	21.6	40	12.4	Heavy IS
QIQTSSSQTSPEEAMGTPR	1018.0	987.5	37.9	40	11.7	Light endogenous
QIQTSSSQTSPEEAMGTPR	1018.0	1390.6	37.9	40	11.7	Light endogenous
QIQTSSSQTSPEEAMGTPR	1018.0	1477.7	37.9	40	11.7	Light endogenous
QIQTSSSQTSPEEAMGTPR*	1023.0	997.5	37.9	40	11.7	Heavy IS
QIQTSSSQTSPEEAMGTPR*	1023.0	1400.6	37.9	40	11.7	Heavy IS
QIQTSSSQTSPEEAMGTPR*	1023.0	1487.7	37.9	40	11.7	Heavy IS
LMSGILAVGPMFVR	745.9	649.3	28.7	40	26	Light endogenous
LMSGILAVGPMFVR	745.9	989.6	28.7	40	26	Light endogenous
LMSGILAVGPMFVR	745.9	1246.7	28.7	40	26	Light endogenous