						Signaling by TGF-beta Receptor Complex_Homo sapiens_R-HSA-170834
						Downregulation of TGF-beta receptor signaling_Homo sapiens_R-HSA-2173788
						TGF-beta receptor signaling activates SMADs_Homo sapiens_R-HSA-2173789
						Signal Transduction_Homo sapiens_R-HSA-162582
						TRAF6 mediated induction of TAK1 complex_Homo sapiens_R-HSA-937072
						TNFR1-induced NFkappaB signaling pathway_Homo sapiens_R-HSA-5357956
						TAK1 activates NFkB by phosphorylation and activation of IKKs complex_Homo sapiens_R-HSA-445989
						Metabolism of carbohydrates_Homo sapiens_R-HSA-71387
						JNK (c-Jun kinases) phosphorylation and activation mediated by activated human TAK1_Homo sapiens_R-HSA-450321
						IRAK2 mediated activation of TAK1 complex_Homo sapiens_R-HSA-937042
						IRAK2 mediated activation of TAK1 complex upon TLR7/8 or 9 stimulation_Homo sapiens_R-HSA-975163
						HS-GAG degradation_Homo sapiens_R-HSA-2024096
						Glycosaminoglycan metabolism_Homo sapiens_R-HSA-1630316
						Diseases associated with glycosaminoglycan metabolism_Homo sapiens_R-HSA-3560782
						Defective EXT2 causes exostoses 2_Homo sapiens_R=HSA=3656237
						Defective EXT1 causes exostoses 1, TRPS2 and CHDS_Homo sapiens_R-HSA-3656253
						Defective B4GALT7 causes EDS, progeroid type_Homo sapiens_R-HSA-3560783
						Defective B3GAT3 causes JDSSDHD_Homo sapiens_R-HSA-3560801
						Defective B3GALT6 causes EDSP2 and SEMDJL1_Homo sapiens_R-HSA-4420332
						A tetrasaccharide linker sequence is required for GAG synthesis_Homo sapiens_R-HSA-1971475
						activated TAK1 mediates p38 MAPK activation_Homo sapiens_R-HSA-450302
						Heparan sulfate/heparin (HS-GAG) metabolism_Homo sapiens_R-HSA-1638091
						HS-GAG biosynthesis_Homo sapiens_R-HSA-2022928
IsMale	ls10ppm	IsLHet	IsLHe	IsMale	lsMaleLHet	
W.	m	~	lsLHet10ppm	lsMale10ppm	)LHet	
			3	3		