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MSC SUSANNA
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Figure 1: Schematic representation of the TUM4, TUM3, TUM2, and TUM1 gene clusters. The top part shows the gene structure with exons as boxes and introns as lines with arrows indicating the direction of transcription. The bottom part shows the genomic map with the TUM4, TUM3, TUM2, and TUM1 clusters labeled below the corresponding genomic regions. The TUM4 cluster is located on the left, followed by TUM3, TUM2, and TUM1 on the right. The TUM4 cluster is labeled 'TUM4' and 'J P M'. The TUM3 cluster is labeled 'TUM3'. The TUM2 cluster is labeled 'TUM2' and 'A T P'. The TUM1 cluster is labeled 'TUM1'.

53	52	51	50	49	48	47	46	45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1
I P M																									A T P																									TUM5		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53