

Additional file 3 - Table S2. Percentage similarity between and within the marsupial *ELP* and eutherian *CTI* transcripts

Pairwise similarities were calculated with MatGat version 2.01 using the BLOSUM62 matrix.

2A. ELP/*CTI* transcripts (ATG to AATAAA, inclusive), **2B.** ELP/*CTI* transcripts (ATG to stop codon, inclusive), **2C.** Marsupial ELP 3'UTR

2A. ELP/<i>CTI</i> Transcripts¹	1	2	3	4	5	6	7	8	9	10	11
1. Tammar											
2. DunnartSF	83.5										
3. DunnartFT	82.8	99.1									
4. Koala	83.4	83.5	83.1								
5. Opossum	79.1	82.9	82.7	80.7							
6. Possum	85.9	86.9	86.9	85.7	82.5						
7. Cat	58.6	60.3	59.4	61.7	59.8	62.0					
8. Cow	56.8	58.2	57.8	61.2	60.7	58.9	75.6				
9. Dog	58.9	58.9	57.3	62.6	62.0	58.0	82.4	76.7			
10. Dolphin	56.8	59.4	59.1	60.3	58.2	58.9	79.7	86.0	79.4		
11. Panda	58.2	59.8	59.4	62.2	63.6	59.8	84.3	76.1	86.6	79.4	
12. Pig	56.1	57.6	57.6	61.4	58.9	57.5	75.2	81.5	75.0	86.7	75.5

¹ ATG to AATAAA, inclusive

2B. ELP/<i>CTI</i> Transcripts²	1	2	3	4	5	6	7	8	9	10	11
1. Tammar											
2. DunnartSF	78.5										
3. DunnartFT	77.6	98.6									
4. Koala	85.6	80.7	80.1								
5. Opossum	74.0	81.4	81.1	78.4							
6. Possum	86.2	82.2	82.2	89.3	78.0						
7. Cat	59.6	61.4	61.4	63.4	61.7	65.4					
8. Cow	59.0	56.1	56.1	62.8	61.2	60.9	75.6				
9. Dog	60.6	59.7	59.7	63.1	64.4	60.5	86.5	78.2			
10. Dolphin	59.7	57.5	57.5	61.9	57.5	60.6	79.0	87.3	79.4		
11. Panda	58.7	60.7	60.7	64.1	64.4	62.1	85.1	75.6	90.4	78.7	
12. Pig	58.1	57.1	57.1	63.8	59.0	59.7	76.5	82.2	76.8	88.3	76.2

² ATG to stop codon, inclusive

2C. Marsupial ELP 3'UTR	1	2	3	4	5
1. Tammar					
2. DunnartSF	88.5				
3. DunnartFT	88.5	100.0			
4. Koala	88.5	88.5	88.5		
5. Opossum	87.0	87.0	87.0	87.0	
6. Possum	92.3	92.3	92.3	88.5	87.0