

A*Bombus impatiens*

Exon										
1	2	3	4	5	6	7	8	9	10	11
<i>Bimp_TERT_1</i>	■									
<i>Bimp_TERT_2</i>	M									
<i>Bimp_TERT_3</i>	M									
<i>Bimp_TERT_4</i>										

- △ 1 mut. exon 2 (44bp)
△ 1 mut. exon 2 (494bp)
△ 1-2

Megachile rotundata

Exon										
1	2	3	4	5	6	7	8	9	10	11
<i>Mrot_TERT_1</i>	■									
<i>Mrot_TERT_2</i>	M									
<i>Mrot_TERT_3</i>	M									
<i>Mrot_TERT_4</i>	M	M								
<i>Mrot_TERT_5</i>	M	M								
<i>Mrot_TERT_6</i>										
<i>Mrot_TERT_7</i>										
<i>Mrot_TERT_8</i>										
<i>Mrot_TERT_9</i>										
<i>Mrot_TERT_10</i>										

- mut. exon 2 (63bp)
mut. exon 2 (330bp)
mut. exon 2 & 3 (747bp)
mut. exon 2 & 3 (753bp)
mut. exon 5 (44bp)
△ 6-9
△ 7-9 mut. exon 6 (238bp)
△ 8-9 mut. exon 6 & 7 (460bp)
mut. exon 4 (31bp)

Cephus cinctus

Exon										
1	2	3	4	5	6	7	8	9	10	11
<i>Ccin_TERT_1</i>	■									
<i>Ccin_TERT_2</i>	M									
<i>Ccin_TERT_3</i>								M		
<i>Ccin_TERT_4</i>								M		

- mut. exon 2 (3bp)
mut. exon 9 (31bp)
△ 10 mut. exon 9 (391bp)

Orussus abietinus

Exon										
1	2	3	4	5	6	7	8	9	10	11
<i>Oabi_TERT_1</i>										
<i>Oabi_TERT_2</i>	M									
<i>Oabi_TERT_3</i>			M							
<i>Oabi_TERT_4</i>			M							

- △ 1 mut. exon 2 (123bp)
mut. exon 3 (135bp)
△ 1-2 mut. exon 3 (537bp)

Linepithema humile

Exon						
1	2	3	4	5	6	7
<i>Lhum_TERT_1</i>	■					
<i>Lhum_TERT_2</i>					M	

- △ 7 mut. exon 6 (347bp)

Wasmannia auropunctata

Exon						
1	2	3	4	5	6	7
<i>Waur_TERT_1</i>						
<i>Waur_TERT_2</i>				M		
<i>Waur_TERT_3</i>			M			

- mut. exon 4 (42bp)
△ 1 mut. exon 2 (73bp)

Solenopsis invicta

Exon					
1	2	3	4	5	6
<i>Sinv_TERT_1</i>	■				
<i>Sinv_TERT_2</i>				M	
<i>Sinv_TERT_3</i>			M		
<i>Sinv_TERT_4</i>			M	M	

- mut. exon 4 (84bp)
mut. exon 3 (102bp)
mut. exon 3 & 4 (186bp)

Wurm
et al., 2011

■ Hymenoptera specific exons ■ Exons conserved with *H. sapiens* ■ Skipped exons

B*Cimex lectularius*

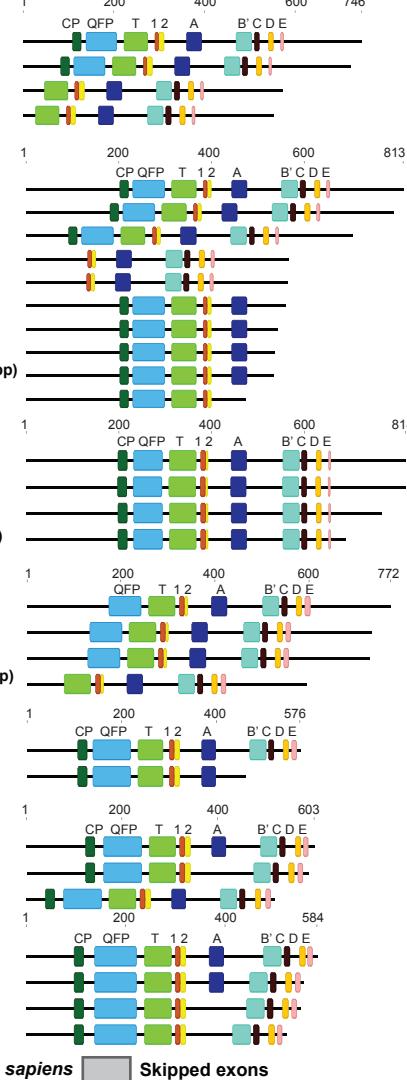
Exon										
1	2	3	4	5	6	7	8	9	10	11
<i>Clec_TERT_1</i>	■									
<i>Clec_TERT_2</i>										
<i>Clec_TERT_3</i>										

- △ 1
△ 10-11

Halyomorpha halys

Exon									
1	2	3	4	5	6	7	8	9	10
<i>Hhal_TERT_1</i>	■								
<i>Hhal_TERT_2</i>	M								
<i>Hhal_TERT_3</i>	M								
<i>Hhal_TERT_4</i>	M								
<i>Hhal_TERT_5</i>									
<i>Hhal_TERT_6</i>									
<i>Hhal_TERT_7</i>	M								
<i>Hhal_TERT_8</i>	M								
<i>Hhal_TERT_9</i>			M						

- mut. exon 2 (270bp)
mut. exon 2 (297bp)
△ 1 mut. exon 3 (236bp)
△ 9-10
△ 1
△ 2 mut. exon 2 (744bp)
△ 2 mut. exon 2 (550bp)
△ 1-2 mut. exon 6 (66bp)



■ Hymenoptera specific exons ■ Exons conserved with *H. sapiens* ■ Skipped exons