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Supplemental File 5

List of significant GO terms characterizing exon groups depending on their maximal copy number of the same exon as well as on their general fraction of duplicated exons.

Table 1: Shared GO terms among the genes in exon groups that include at least 10 duplicates of a single exon. A) component GO terms; B) function GO terms; C) process GO terms.

A)			
		percentage	
p-value	#occurences	among all genes	GO
3.00e-51	24/79	0.15%	collagen
1.21e-48	30/79	0.48%	extracellular matrix part
7.62e-45	36/79	1.33%	proteinaceous extracellular matrix
3.58e-42	36/79	1.57%	extracellular matrix
2.93e-29	38/79	4.24%	extracellular region part
1.07e-25	46/79	9.20%	extracellular region
9.49e-23	10/79	0.05%	fibrillar collagen
2.03e-21	15/79	0.31%	basement membrane
1.01e-13	6/79	0.03%	collagen type IV
7.08e-13	6/79	0.03%	sheet-forming collagen
4.02e-09	5/79	0.04%	anchoring collagen
1.51e-07	4/79	0.03%	FACIT collagen
1.26e-06	4/79	0.04%	M band
3.13e-06	3/79	0.01%	collagen type V
3.13e-06	3'/79	0.01%	collagen type IX
B)	1		0 0.
D)		nercentage	
p-value	#occurences	among all genes	GO
3 66e=39	24/79	0.36%	extracellular matrix structural constituent
5.24e=29	33/79	2 74%	structural molecule activity
1 54e-11	19/79	2.68%	calcium ion binding
1.040-11	6/79	0.05%	platelet-derived growth factor binding
1.71e-10	5/79	0.03%	extracellular matrix structural constituent conferring tensile strength
1.32e-07	7/79	0.27%	integrin binding
7 15e-06	7/79	0.47%	growth factor hinding
C)	./.0	011170	Storten raceer binding
0)		porcontago	
n voluo	Hoccuroncos	among all gonos	CO
5 150 20	#0ccurences	among an genes	90
8 21o 20	10/79	0.4502	outro collulor motivity organization
0.010-20	20/70	0.45%	extracellular matrix organization
<u>x 6110 /11</u>	$\frac{29}{79}$	0.45% 3.48% 3.40%	extracellular matrix organization cell adhesion biological adhesion
8.00e-20 2.21o.16	29/79 29/79 16/79	0.45% 3.48% 3.49% 0.76%	extracellular matrix organization cell adhesion biological adhesion cutracellular structure organization
8.60e-20 3.31e-16	29/79 29/79 16/79 42/70	0.45% 3.48% 3.49% 0.76% 12.04%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multiacellular organized douglopment
8.60e-20 3.31e-16 6.95e-15 6.06e-14	29/79 29/79 16/79 42/79 9/70	0.45% 3.48% 3.49% 0.76% 13.04% 0.11%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collegen fabril correspondence
8.60e-20 3.31e-16 6.95e-15 6.06e-14	29/79 29/79 16/79 42/79 9/79 42/70	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.27%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization
8.00e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-12	29/79 29/79 16/79 42/79 9/79 42/79	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 10.62%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organization
8.60e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-13	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 42/79\\ 42/79\\ 42/79\\ 22/70\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 2.28%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tiogua development
8.00e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-13 4.22e-12 8.15e, 12	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 42/79\\ 48/79\\ 22/79\\ 21/70\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development
8.60e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-13 4.22e-12 8.15e-12 7.85e, 11	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 48/79\\ 22/79\\ 31/79\\ 31/79\\ 24/70\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development
8.60e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-13 4.22e-12 8.15e-12 7.85e-11 1.14e.10	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 48/79\\ 22/79\\ 31/79\\ 34/79\\ 25/70\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78% 11.62%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development organ development organ development
8.606-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-13 4.22e-12 8.15e-12 7.85e-11 1.14e-10 1.20e.00	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 48/79\\ 22/79\\ 31/79\\ 34/79\\ 35/79\\ 12/79\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78% 11.62% 0.85%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development system development anatomical structure development orgid methods and structure development
8.00e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-13 4.22e-12 8.15e-12 7.85e-11 1.14e-10 1.20e-09 2.08e.00	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 48/79\\ 22/79\\ 31/79\\ 34/79\\ 35/79\\ 12/79\\ 12/79\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78% 11.62% 0.85% 0.91%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development system development anatomical structure development epidermis development
8.00e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-13 4.22e-12 8.15e-12 7.85e-11 1.14e-10 1.20e-09 2.98e-09 2.42e.09	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 42/79\\ 48/79\\ 22/79\\ 31/79\\ 34/79\\ 35/79\\ 12/79\\ 12/79\\ 12/79\\ 12/79\\ 12/79\\ 12/79\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78% 11.62% 0.85% 0.91% 1.42%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development system development epidermis development ectoderm development
8.00e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-13 4.22e-12 8.15e-12 7.85e-11 1.14e-10 1.20e-09 2.98e-09 3.43e-08	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 48/79\\ 22/79\\ 31/79\\ 34/79\\ 35/79\\ 12/79\\ 12/79\\ 12/79\\ 13/79\\ 13/79\\ 13/79\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78% 11.62% 0.85% 0.91% 1.42% 1.45%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development organ development anatomical structure development ectoderm development blood vessel development
$\begin{array}{c} 8.00e-20\\ 3.31e-16\\ 6.95e-15\\ 6.06e-14\\ 2.43e-13\\ 4.77e-13\\ 4.22e-12\\ 8.15e-12\\ 7.85e-11\\ 1.14e-10\\ 1.20e-09\\ 2.98e-09\\ 3.43e-08\\ 4.60e-08\\ 4.60e-08\\ 4.69e-07\end{array}$	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 48/79\\ 22/79\\ 31/79\\ 34/79\\ 35/79\\ 12/79\\ 12/79\\ 12/79\\ 13/79\\ 13/79\\ 3'79\\ 13/79\\ 6/79\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78% 10.78% 11.62% 0.85% 0.91% 1.42% 1.45% 0.14%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development system development epidermis development blood vessel development et development
8.00e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.22e-12 8.15e-12 7.85e-11 1.14e-10 1.20e-09 2.98e-09 3.43e-08 4.60e-08 4.88e-07	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 48/79\\ 22/79\\ 31/79\\ 34/79\\ 35/79\\ 12/79\\ 12/79\\ 12/79\\ 13/79\\ 13/79\\ 6/79\\ 20/72\\ \end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78% 11.62% 0.85% 0.91% 1.42% 1.45% 0.14% 11.61%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development system development epidermis development blood vessel development vasculature development skin development
8.00e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.22e-12 8.15e-12 7.85e-11 1.14e-10 1.20e-09 2.98e-09 3.43e-08 4.60e-08 4.88e-07 8.03e-07 8.03e-07	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 48/79\\ 22/79\\ 31/79\\ 34/79\\ 35/79\\ 12/79\\ 12/79\\ 13/79\\ 13/79\\ 6/79\\ 30/79\\ 19/72\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78% 11.62% 0.85% 0.91% 1.42% 1.45% 0.14% 11.81% 1.50%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development system development epidermis development epidermis development blood vessel development vasculature development skin development cellular component organization
8.00e-20 3.31e-16 6.95e-15 6.06e-14 2.43e-13 4.77e-13 4.22e-12 8.15e-12 7.85e-11 1.14e-10 1.20e-09 2.98e-09 3.43e-08 4.60e-08 4.88e-07 8.03e-07 1.67e-06	$\begin{array}{c} 29/79\\ 29/79\\ 16/79\\ 42/79\\ 9/79\\ 42/79\\ 48/79\\ 31/79\\ 34/79\\ 35/79\\ 12/79\\ 12/79\\ 13/79\\ 13/79\\ 6/79\\ 30/79\\ 12/79\\ 20/72\end{array}$	0.45% 3.48% 3.49% 0.76% 13.04% 0.11% 14.37% 19.63% 3.38% 8.08% 10.78% 11.62% 0.85% 0.91% 1.42% 1.42% 1.45% 0.14% 11.81% 1.59% 5.64%	extracellular matrix organization cell adhesion biological adhesion extracellular structure organization multicellular organismal development collagen fibril organization developmental process multicellular organismal process tissue development organ development organ development extoderm development ectoderm development blood vessel development vasculature development skin development cellular component organization skeletal system development

Table 2: Shared GO terms among the genes in exon groups that include at most 2 duplicates of the same exon. A) component GO terms; B) function GO terms; C) process GO terms.

A)			
		percentage	
p-value	#occurences	among all genes	GO
1.71e-14	925/1217	65.34%	cell part
1.75e-14	925/1217	65.35%	cell
1.03e-13	148/1217	6.10%	cytoskeleton
1.14e-13	220/1217	10.56%	non-membrane-bounded organelle
1.14e-13	220/1217	10.56%	intracellular non-membrane-bounded organelle
4.75e-13	728/1217	48.85%	intracellular
1.30e-11	110/1217	4.24%	cytoskeletal part
4.70e-11	699/1217	47.28%	intracellular part
2.88e-10	364/1217	21.49%	organelle part
1.10e-09	357/1217	21.18%	intracellular organelle part
5.32e-08	596/1217	40.30%	organelle
8.42e-08	594'/1217	40.23%	intracellular organelle
1.57e-07	503'/1217	33.15%	cvtoplasm
3.31e-07	68/1217	2.54%	microtubule cvtoskeleton
4.50e-07	35/1217	0.91%	apical part of cell
1.41e-06	30/1217	0.73%	apical plasma membrane
4.22e-06	212/1217	12.06%	protein complex
4.39e-06	167/1217	8.96%	plasma membrane part
D)	101/1211	0.0070	
В)			
n voluo	#0000000000	percentage	CO
p-varue	#occurences	among an genes	
2.23e-29	853/1217	54.12%	binding
3.91e-19	584/1217	35.06%	protein binding
3.97e-12	150/1217	6.47%	adenyl ribonucleotide binding
5.30e-12	148/1217	6.37%	ATP binding
1.27e-11	72/1217	2.22%	cytoskeletal protein binding
6.58e-11	152/1217	6.82%	adenyl nucleotide binding
1.01e-10	33/1217	0.60%	motor activity
1.53e-10	154/1217	7.01%	nucleoside binding
1.91e-10	153/1217	6.97%	purine nucleoside binding
3.84e-10	87/1217	3.16%	nucleoside-triphosphatase activity
3.95e-10	52/1217	1.41%	actin binding
1.08e-09	88/1217	3.28%	pyrophosphatase activity
1.34e-09	88/1217	3.29%	hydrolase activity, acting on acid anhydrides,
			in phosphorus-containing anhydrides
1.77e-09	88/1217	3.31%	hydrolase activity, acting on acid anhydrides
1.16e-08	163/1217	7.99%	ribonucleotide binding
1.16e-08	163/1217	7.99%	purine ribonucleotide binding
3.80e-08	190/1217	9.89%	nucleotide binding
3.94e-08	190/1217	9.90%	hydrolase activity
4.66e-08	57/1217	1.84%	GTPase regulator activity
5.82e-08	49/1217	1.46%	ATPase activity
9.87e-08	165/1217	8.35%	purine nucleotide binding
1.04e-07	57/1217	1.88%	nucleoside-triphosphatase regulator activity
1.38e-06	42/1217	1.26%	small GTPase regulator activity
6.43e-06	69'/1217	2.77%	calcium ion binding
8.67e-06	19'/1217	0.34%	calcium channel activity
C)	/		•
0)		percentage	
p-value	#occurences	among all genes	GO
7.48e-16	757/1217	49.94%	cellular process
4 380-10	260/1217	14 56%	localization
1.070-07	468/1217	30.04%	biological regulation
5.36e=07	227/1217	12 58%	establishment of localization
8.020-07	227/1217 224/1217	12.0070	transport
1 740 06	224/1217	12.4070	cellular component organization
2 300 06	41/1917	1 18%	regulation of small GTPase modiated signal transduction
3.870-06	232/1217	13 21%	cellular component organization or biogenesis
0.010-00	404/14/1	$\pm 0.4 \pm 70$	Condian component organization of progenesis

Table 3: Shared GO terms among the genes in exon groups that include at most 5 copies of a single exon containing at least one exon that has three or more copies. A) component GO terms; B) function GO terms; C) process GO terms.

A)			
		percentage	
p-value	#occurences	among all genes	GO
2.13e-07	20/236	1.58%	extracellular matrix
3.63e-06	17/236	1.33%	proteinaceous extracellular matrix
B)			
		percentage	
p-value	#occurences	among all genes	GO
nothing found			
C)			
		percentage	
p-value	#occurences	among all genes	GO
nothing found			

Table 4: Shared GO terms among the genes in exon groups that include at most 9 copies of a single exon containing at least one exon that has six or more copies. A) component GO terms; B) function GO terms; C) process GO terms.

A)			
		percentage	
p-value	#occurences	among all genes	GO
2.28e-07	9/42	1.33%	proteinaceous extracellular matrix
2.78e-07	5/42	0.15%	collagen
9.70e-07	9/42	1.58%	extracellular matrix
2.92e-06	6/42	0.48%	extracellular matrix part
7.58e-06	12/42	4.28%	extracellular region part
B)			
		percentage	
p-value	#occurences	among all genes	GO
2.95e-07	6/42	0.34%	extracellular matrix structural constituent
C)			
		percentage	
p-value	#occurences	among all genes	GO
nothing found			

Table 5: Shared GO terms among the genes in exon groups that include more than 0 but equal or less than 25% duplicated exons. A) component GO terms; B) function GO terms; C) process GO terms.

A)			
p-value	#occurences	percentage	GO
5.01e-25	943/1190	65.34%	cell part
5.17e-25	943/1190	65.35%	cell
5.15e-24 2.87o 23	$\frac{171}{1190}$	6.10% 10.56%	cytoskeleton
2.87e-23	245/1190 245/1190	10.56%	intracellular non-membrane-bounded organelle
1.35e-22	753/1190	48.85%	intracellular
7.81e-21 3.88e-20	728/1190 128/1190	47.28%	intracellular part
3.75e-18	390/1190	21.49%	organelle part
1.28e-16	380/1190	21.18%	intracellular organelle part
6.54e-16	$\frac{624}{1190}$	40.30%	organelle
1.24e-15	622/1190	40.23%	intracellular organelle
1.71e-15	85/1190	2.54%	microtubule cytoskeleton
1.66e-11	$\frac{231}{1190}$	12.06%	protein complex
1.24e-08	200/1190 20/1190	0.28%	myosin complex
1.26e-08	44/1190	1.21%	actin cytoskeleton
5.33e-08	$\frac{27}{1190}$	0.54%	contractile fiber
9.91e-08	$\frac{26}{1190}$ $\frac{42}{1190}$	1.19%	microtubule organizing center
1.05e-07	45/1190	1.33%	proteinaceous extracellular matrix
2.72e-07	25/1190	0.50%	contractile fiber part
3.44e-07 3.46e-07	$\frac{80}{1190}$ 23/1190	0.43%	cell projection sarcomere
8.97 e-07	167/1190	8.96%	plasma membrane part
2.32e-06	40/1190	1.22%	microtubule
∠.58e-06 3.30e-06	$\frac{47}{1190}$ 521/1190	1.58% 36.06%	membrane-bounded organelle
3.39e-06	147/1190	7.76%	nuclear part
3.55e-06	29/1190	0.73%	apical plasma membrane
4.05e-06	520/1190	36.03%	intracellular membrane-bounded organelle
В)		percentage	
p-value	#occurences	among all genes	GO
8.07e-43	874/1190	54.11%	binding
4.25e-31 3.21e-19	85/1190	2.22%	cvtoskeletal protein binding
1.29e-16	62/1190	1.41%	actin binding
4.69e-15	38/1190	0.60%	motor activity
3.14e-14 1.12e-13	95/1190 96/1190	3.10%	nucleoside-tripnosphatase activity
1.44e-13	96/1190	3.29%	hydrolase activity, acting on acid anhydrides,
0.01 10	00/1100	0.0107	in phosphorus-containing anhydrides
2.01e-13 2.70e-13	96/1190 151/1190	3.31% 6.47%	hydrolase activity, acting on acid anhydrides adenvl ribonucleotide binding
3.69e-13	149/1190	6.37%	ATP binding
1.29e-12	84/1190	2.77%	calcium ion binding
4.92e-12 1.17e-11	153/1190 155/1190	6.82% 7.01%	adenyl nucleotide binding nucleoside binding
1.48e-11	154/1190	6.97%	purine nucleoside binding
2.15e-10	61/1190	1.84%	GTPase regulator activity
2.64e-10 2.64e-10	166/1190	7.99%	ribonucleotide binding
5.33e-10	61/1190	1.88%	nucleoside-triphosphatase regulator activity
7.04e-10	52/1190	1.46%	ATPase activity
8.87e-10 2.64e-09	193/1190 168/1190	9.89% 8.35%	nucleotide binding purine nucleotide binding
5.69e-09	190/1190	9.90%	hydrolase activity
4.22e-08	279/1190	16.44%	metal ion binding
6.89e-08 8.41e-08	281/1190 280/1190	16.66% 16.62%	ion binding cation binding
2.22e-07	43/1190	1.26%	small GTPase regulator activity
9.81e-07	20/1190	0.34%	calcium channel activity
1.06e-06	$\frac{28}{1190}$	0.64% 1.64%	guanyl-nucleotide exchange factor activity
3.22e-06	49/1190	1.68%	substrate-specific channel activity
C)			
p-value	#occurences	percentage among all genes	GO
3.27e-27	784/1190	49.94%	cellular process
8.11e-17	261/1190	12.67%	cellular component organization
6.98e-16 1.35e-15	285/1190 265/1190	14.50% 13.21%	localization
3.75e-13	101/1190	3.54%	cell adhesion
4.07e-13	101/1190	3.54%	biological adhesion
4.81e-12 1.56e.11	$\frac{481}{1190}$	30.04% 8 31%	biological regulation
7.85e-11	182/1190	8.78%	cellular component organization or biogenesis at cellular level
2.20e-10	236/1190	12.51%	establishment of localization
6.29e-10	232/1190 438/1100	12.36% 28.32%	transport regulation of hiological process
1.65e-07	417/1190	26.85%	regulation of cellular process
1.76e-07	43/1190	1.20%	microtubule-based process
2.76e-07 3.48e-07	134/1190 42/1100	6.46% 1.18%	organelle organization regulation of small GTPase mediated signal transduction
2.21e-06	$\frac{42}{1190}$	2.28%	cytoskeleton organization
6.69e-06	75/1190	3.09%	cell cycle process
7.37e-06	36/1190	1.01%	regulation of Ras protein signal transduction

Table 6: Shared GO terms among the genes in exon groups that include between 25% and 50% duplicated exons. A) component GO terms; B) function GO terms; C) process GO terms.

A)			
		percentage	
p-value	#occurences	among all genes	GO
6.99e-12	28/299	1.58%	extracellular matrix
7.82e-11	69/299	9.22%	extracellular region
3.74e-10	24/299	1.33%	proteinaceous extracellular matrix
2.91e-07	13/299	0.48%	extracellular matrix part
3.54e-06	36/299	4.28%	extracellular region part
B)			
		percentage	
p-value	#occurences	among all genes	GO
nothing found			
C)			
		percentage	
p-value	#occurences	among all genes	GO
nothing found			

Table 7: Shared GO terms among the genes in exon groups that include between 50% and 75% duplicated exons. A) component GO terms; B) function GO terms; C) process GO terms.

A)			
		percentage	
p-value	#occurences	among all genes	GO
1.78e-38	19/70	0.15%	collagen
5.24e-27	19/70	0.48%	extracellular matrix part
8.79e-23	22/70	1.33%	proteinaceous extracellular matrix
3.47e-21	22/70	1.58%	extracellular matrix
3.92e-20	9/70	0.05%	fibrillar collagen
2.41e-16	26/70	4.28%	extracellular region part
3.73e-14	6/70	0.03%	collagen type IV
2.60e-13	6/70	0.03%	sheet-forming collagen
8.66e-13	31/70	9.22%	extracellular region
3.13e-09	8/70	0.31%	basement membrane
1.69e-06	3/70	0.01%	collagen type V
B)			
		percentage	
p-value	#occurences	among all genes	GO
6.21e-30	19/70	0.34%	extracellular matrix structural constituent
7.86e-15	21/70	2.73%	structural molecule activity
6.33e-09	5/70	0.05%	platelet-derived growth factor binding
7.40e-08	4/70	0.03%	extracellular matrix structural constituent conferring tensile strength
C)			
		percentage	
p-value	#occurences	among all genes	GO
2.06e-17	14/70	0.44%	extracellular matrix organization
3.99e-14	14/70	0.74%	extracellular structure organization
2.96e-12	8/70	0.11%	collagen fibril organization
8.39e-08	17/70	3.54%	cell adhesion
8.54e-08	17/70	3.54%	biological adhesion

Table 8: Shared GO terms among the genes in exon groups that include between 75% and 100% duplicated exons. A) component GO terms; B) function GO terms; C) process GO terms.

A)			
		percentage	
p-value	#occurences	among all genes	GO
nothing found			
B)			
		percentage	
p-value	#occurences	among all genes	GO
nothing found			
C)			
		percentage	
p-value	#occurences	among all genes	GO
nothing found			