































Teachare an	roun	۲			
130CHOIC GI	oup	5			
Group	I II III			IV	
C + G% range	< 43	43-51	51-57	>57	
Number of genes	65	115	115 99		
Est. proportion single-exon genes	0.16	0.19	0.23	0.1	
Codelen: single-exon genes (bp)	1130	1251	1304	113	
Codelen: multi-exon genes (bp)	902	908	1118	116	
Introns per multi-exon gene	5.1	4.9	5.5	5.	
Mean intron length (bp)	2069	1086	801	51	
Est. mean integenic length (bp)	83000	36000	5400	260	

Tuitial weak	s a la i li			
Initial proc		II	III	IV
Intergenic (N)	0.892	0.867	0.54	0.418
Intron (IO+,I1+,I2+,IO-,I1-,I2-)	0.095	0.103	0.338	0.388
5' Untranslated region (F+, F-)	0.008	0.018	0.077	0.122
3' Untranslated region (T+, T-)	0.005	0.011	0.045	0.072
All other probabilities se	2 t to zer vika Subramar	'O. nian, 2007		91





















































	# of	Nucleotide accuracy				Ехон ассигасу							
Programs	sequences	Sn	Sp	AC	cc	ESn	ESp	(ESn+Esp)/2	ME	WE	PCa	PCp	01
FGENES	195 (5)	0.86	0.88	0.84±0.19	0.83	0.67	0.67	0.67±0.32	0.12	0.09	0.20	0.17	0.0
GeneMark.hmm	195 (0)	0.87	0.89	0.84±0.18	0.83	0.53	0.54	0.54±0.36	0.13	0.11	0.29	0.27	0.0
Genie	195 (15)	0.91	0.90	0.89 ± 0.16	0.88	0.71	0.70	0.71 ± 0.30	0.19	0.11	0.15	0.15	0.0
Genscan	195 (3)	0.95	0.90	0.91 ± 0.12	0.91	0.70	0.70	0.70 ± 0.32	0.08	0.09	0.21	0.19	0.0
HMMgene	195 (5)	0.93	0.93	0.91 ±0.13	0.91	0.76	0.77	0.76±0.30	0.12	0.07	0.14	0.14	0.0
Morgan	127 (0)	0.75	0.74	0.70 ± 0.21	0.69	0.46	0.41	0.43 ± 0.26	0.20	0.28	0.28	0.25	0.0
MZEF	119 (8)	0.70	0.73	0.68 ± 0.21	0.66	0.58	0.59	0.59±0.28	0.32	0.23	0.08	0.16	0.0















METHODS	# <u>no</u>	Nucleotide accuracy			Exon accuracy				
	prediction	Sn	Sp	AC	ESn	ESp	$\frac{(ESn+Esp)}{2}$	ME	WE
Genscan	8	0.94	0.93	0.92	0.78	0.81	0.80	0.09 (203)	0.05
HMMgene	38	0.93	0.94	0.92	0.81	0.83	0.82	0.14 (308)	0.04
EUI	20	0.94	0.96	0.93	0.83	0.88	0.85	0.12 (250)	0.03 (98)
GI	43	0.91	0.97	0.93	0.82	0.90	0.86	0.18 (386)	0.02 (67)
EUI_frame	27	0.93	0.96	0.93	0.83	0.88	0.85	0.13 (286)	0.03 (87)

