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TeaCup38F074L074	TaaCup30F072FP07-TaaCup30F043F15P		TasCu38F147F20- Ta	64C to 38F CO BOOS to 28F C 754024 Tax C to	387022102-
TasCu:387065205	Tax Cup 10/001 Main Cup 10/07 5A17-	TaxCup30F049EbbCup30F152004~	TasCu:307054L21-TasCu:307053	007aaCup30F030F20 Ta	+Cw387057002
8/146H13-	TeaC tp 30/D0#04242F034413-	TawCsp38F032I04 TawCsp38F118H	0 ThaC to 38F0 39G846sp38F076004	TaaCsp38F046813 TaaCsp38F0	199719
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IsbpFinder command line								
### IsbpFinder ### # # AUTHOR: Frederic CHOULET # VERSION: 1.8 # CERATED: 2007-06-11 # LAST MODIF: 2010-9-9 # PURPOSE This script is used to design primers for amplification of ISBP markers. # It can run and/or parse RepeatMasker results and design primers with "Primer3" program.								
USAGE: IsbpFinder [-dorm -rm RepeatMasker file] [-lib Repeat library] [OPTIONS] fasta file1 fasta file2								
EXAMPLES: IsbpFinder -dorm -lib /usr/local/db/TREP.fas -f EMBL MyFastaFile.fas IsbpFinder -rm MyRmFile.out.xm -lib /usr/local/db/TREP.fas -f tab MyFastaFile.fas								
<pre>### OPTIONS ### -dorm run RepeatMasker for each FASTA sequence before primer design -rm <file> repeatMasker result file -lub <file> PATH to repeatmasker lib in FASTA format output format: tab csv embl [tab] -> format with 1 line per couple of primers with field separator = "tab" [default] [csv] -> format with 1 line per couple of primers with field separator = ";" [embl] -> print results as EMBL features (to be read under ARTENIS)</file></file></pre>								
-o <file> output file (for tab)csv outputs) [default: STDOUT]</file>								
-e integer distance from the extrimity of the element [default:50 nt]								
-V: print version -h: print this help								
[epaux&pegase ISBP]\$ IsbpFinder -dorm -lib /db/natif/TREPtotal.tfa -f embl -o Sequences.isbp Sequences.fas								

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1	P33 -	()	TREP4210, TREP Triti	cum aestiv	um Retrotransposon LTR	Copia "R	LC_Claudia	consens	us-1" conse	ensus sequ	ence			
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1 seq_id	F_primer	F_primer_Tri	F_primer_pcR_primer_R	primer_TrR	primer_pramplicon_stam	plicon_s a	mplicon_G ju	nction_typ	confidence	junction_p	o left_eleme	extremit	ty_leright_eleme	extremity,
2 BAC1_1	GGAGAACAA	60.636	4418 TCTCCAAATC	60.074	4588 GGAGAACAA	171	40.35 8)	psy_gyps	low	121-122,124	- TREP2349, 1	Fno	TREP2349, TR	no
3 BAC1_2	GCAAATGAC	59.979	10662 GTCCCGTAGC	59.985	10860 GCAAATGAC	199	46.23 g)	psy_gyps	high	67-68	TREP2349, 1	Fyes	TREP837, TRE	tno
4 8AC1_3	TGGTAGGAA	60.074	10745 TCCGACATCO	59.883	10924 TGGTAGGAA	180	42.78 81	psy_Low(medium	127-128	TREP837, TR	teno		
5 8AC1_4	GTGGAGCCC	59.933	11379 TATGATGGG	60.822	11617 GTGGAGCCCI	289	35.98 Lo	wCopyON	medium	65-66			TREP836, TRE	tno
6 BAC1_5	GGAAAAACC	60.088	16099 TGTAGATCGC	59.992	16348 GGAAAAACC	250	35.6 g)	psy_Unkr	high	150-151,168	- TREP836, TI	Réyes	TREP3351, TR	yes
7 BAC1_6	5 TGCTCTGCCG	59.992	16332 TGTCTCGTGT	59.864	16494 TGCTCTGCCG	163	38.65 U	sknown_l	medium	102-103	TREP3351, 1	1F no		
8 BAC1_7	GAAAGAGCA	60.117	16962 TGGAGATGT	59.577	17174 GAAAGAGCA	213	37.56 Lo	wCopyDNA	high	164+165			TREP73, TREE	yes
9 BAC1_8	TGCCAAAAA	60.407	17135 AAAAGCATTC	60.23	17267 TGCCAAAAA1	133	36.84 U	hknown_l	medium	76-77	TREP73, TR	tino		
10 BAC1_9	TTTGGCCTAG	59.953	19135 GGTAGGGGC	59.576	19308 TTTGGCCTAG	174	40.8 Lo	wCopyON/	medium	102-103			TREP1242, TR	no
11 BAC1_1	AGAATAAGC	59.576	19289 AGGTCAAATC	59.967	19522 AGAATAAGC	234	41.03 gr	psy_low	medium	186-187	TREP1242, 1	1F no		
12 BAC1_1	AGATGTGAG	59.981	20681 CATCGCCACG	59.823	20906 AGATGTGAG	226	44.25 Lo	мСоруОМ	medium	221-222	1		TREP2237, TF	no
13 BAC1_1	2 TAGAGAATO	59.823	20887 TCCCGTTCAT	59.9	21171 TAGAGAATC/	285	34.39 (1)	psy_copi	high	56-57	TREP254, TR	REno	TREP129, TRE	yes
14 BAC1_1	4 ATTGTTAGCT	59.788	22313 AGTTGTAGA	59.89	22551 ATTGTTAGCT	239	44.35 cc	pia_copi	high	70-71	TREP129, TR	RE no	TREP2200, TF	yes
IS BACI_I	IS GATGLACTIC	59.983	25846 TAAGGCCCCC	59.793	20029 GATGCACTTC	184	50 00	pia_copi	nign	119-120	TREP2200, 1	ryes	TREP129, TRE	ine
DACL_1	AATCCTACT	59.795	20010 TGATCCAGCA	59.954	20228 AATCCTACTT	219	55.25 00	pia_copi	IOW	70-77,80-87	TREP129, 11	ane	TREP129, TRE	ne
DACI_1	IS CICGACACIT	59.984	26209 666161166	59.971	20400 LILGALACII	256	#7.29 co	pia_copi	nign	200-200	TREP129, 11	ayes	TREPHONO, TR	no
BAC1 1	AGAICIIGU	60.173	20414 CIURIGITAU 26759 AGCCGGACT/	59.955	20300 AGAICITOLO	155	49.38 10	pla_Low	nign	29-52	TREP129, 11	ayes	TOF01751 TO	-
BAC1 2	ACCCLAAGE	59 997	35456 GACCTTGCCC	60.074	35627 ACGCCAAGTI	172	51.16 0	ney Low	high	124-125	TREP1231 1	- Ever	1047 4474, 17	145
21 BAC1 2	1 GGAGGTAG	60.074	35608 CGCATTTTAG	58 796	35789 GGAGGTAGA	182	37.36 1.0	wCoovON	high	93-94	. Her and a		TREP3451_TE	ves
22 BAC1 2	2 TGAACAAAC	58,796	35768 AAGGCGAAG	59.996	35931 TGAACAAACA	164	32.32 14	known	high	79-80	TREP3451.1	Fyes		
23 BAC1 2	3 TAATTGGTCA	60.073	37817 CCCAACTCAC	59.565	37983 TAATTGGTCA	167	36.53 Lo	wCopyON/	medium	90-91			TREP4264, TF	no
14 BAC1 2	4 TTGAACACTO	59.565	37954 GGCATCTTCT	59.957	38224 TTGAACACTO	261	49.81 U	known_l	high	44-45	TREP4264, 1	Fyes		
25 BAC1_2	S GGCTGGTTG	58.792	40209 GGCAGGCAC	59.928	40500 GGCTGGTTG	292	31.16 U	known_l	medium	111-112	TREP4269, 1	TEno		
6 BAC1_2	CCAACGTCCG	60.028	41346 TGGGTCTTG1	59.318	41643 CCAACGTCCG	298	37.92 Lo	wCopyDN	high	31-32			TREP3161, TR	yes
27 BAC1_2	9 TGCACTCTTC	60.135	49976 TGGGTTTCCT	\$9.772	50212 TGCACTCTTC	237	42.19 cc	pia_Low	high	90-91	TREP839, TR	Ryes		
8 BAC1_3	0 TACATGGAT	59.744	51763 CGGCAAAAA	60.03	52062 TACATGGATT	300	34 Lo	wCopyONA	high	264-265			TREP2271, TR	yes
9 BAC1_3	ACCACACTAC	60.03	52043 CGCATTTTGT	60.265	52211 ACCACACTAC	169	39.64 M	utator_C4	high	70-71	TREP2271, 1	Fno	TREP3030, TR	yes
0 BAC1_3	2 GATTTGAGG	60.014	53920 GGGTGGCAC	60.142	54114 GATTTGAGG	195	32.82 C4	CTA_cop	high	172-173	TREP3030, 1	TF no	TREP4210, TR	yes
81 BAC1_8	3 TTGCCAGTG	60.025	54897 CTGGGTTGA	60.075	55174 TTGCCAGTG4	278	50.36 cc	pia_copi	low	108-109,110	- TREP4210, 1	TF no	TREP4210, TR	no
32 BAC1_3	CAAGATCAA	59.948	63827 CATAGGACG	59.678	64076 CAAGATCAAC	250	50.4 co	pia_Low	medium	216-217	TREP4210, 1	r£no		
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