a at gggaaa acat geggt gggaaa acacacac gegaaa cat tt ggegeaa ctt geggaag acaa gt gegget geaacaa aa ag geggaaa cat geggaag eggaag gggaag gggaag gggaat tt cet gat te gaggaac gggaaat ggggaag gggaaat ggggaag gggaat ggggaag gggaat ggggaag gggaaat ggggaag gggaaat ggggaaa gggaaa gggaaa gggaaat ggggaaa gggaaa gggaaa ggggaaa gggaaa ggaaa gggaaa ggaaa gga

 ${\color{red}\mathbf{cc}} acgtectacceacgeceactcggttac$

rhomel 2.9 ce	ell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rhomel co	ell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rhomelm1 ce	ell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rhomelm2 co	ell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rhomeld+ co	ell 10	eecceecececececececececececececececece
rhomeld+ co	ell 13	eeceeeceeceeceeceeceeceeceeceeceeceecee
rhomelm1d+ co	ell 8	ecceeecececececececececececececececece
rhomelm2d+ ce	ell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaacacacgcacgcacacgcgatagaaattaacacgtagtttagcggaactttgtggcaagtgcaacaaaagtcgaagtcgcggacgattcaaatgaaaatctgcaatgctgcggaaggagcaaggacaacccacctgtctatgagtgtgcgagtgtgtgt
rhovir 2 ce	ell 5	eccececececececececececececececececece
rhovir co	ell 6	eccecececececeddececececececececececece

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rhovirm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rhovirm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rhovird+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rhovird+	cell 6	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rhovirm1d+	cell 8	ecceececececececececececececececececec
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rhovirm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		tttagagcggtaaaggacaggtaacgggcacatgtctggccggaaattccccgttgacccctgaccccgtgtccttatgacgaattcgtgacatgtctga
		cacttggcgtgagcacacctggatttcccaccgcttagccagcggaaattccaaaacacctccggcccactggccctcaaaattgttata
		tgctctgctacgatgaagcagaagcagaagcagtgttttattggcggaagcatccgccaaattgcaccaatctgcagtttgaagt
		ctcaaaacccccaccgctcccctgtgaatttccgccggccg
		ggtcaacgcgcgcctgcccaatggccactttaaccacgtttcag
		000-0-0-0000
vnmel 3	cell 5	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmel	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceececececececececececececececececec
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1	cell 8	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		666666666666666666666666666666666666666
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vnmelm2	cell 9	ec
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vnmeld+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmeld+	cell 6	ecceccecceccecceccecccccccccccccccccc
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmelm1c	d+ cell 8	ecceecceecceecceecceecceecceecceecceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmelm2c	d+ cell 9	ecceecceecceecceecceecceecceecceecceec
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		ggcggtagggcaacgttgcaaccggcaaatgtggctgtgccacatgtttgtgccggaaattccccgtgcacgccttaccgcctgctttt
		tat gtt gaa att ttt cct at cact tgg cgg gtt ttt ccg gg ccact gg cgg aa att ccaca at gt cg ccact gg ccaca gg caga aa gt gaa at teach at general to the state of
		ca acca a acgeget ta caa aa aat tatta ta aa atgtg tattatta aatgee aa attgegtee aat cateege ag te te te geeggeeggeen accaa acgeget ta caa aa aat tatta aa aatgtg tattatta aatgee aa attgegtee aat cateege ag te te te geeggeeggeen accaa acgegeet ta caa aa aatgtg tattatta aa atgeega aat tatta aa aatgtg tattatta aa aatgeega aat tatta aa aatgtg tattatta aa aatgeega aat tatta aa aatgtg tattatta aa aatgtg tattatta aa aatgeega aat tatta aa aatgtg tattatta aa aatgeega aat tatta aa aatgeega aat tatta aa aatgtg tattatta aa aatgeega aat tatta aa aatgtg tattatta aa aatgeega aat ta aatgeega aat tatta aa aatgtg tattatta aa aatgeega aat tatta aa aatgeega a
		aagctgaccgtgtgctaaacaaaaatcaaaaaaaaaaaa
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vnvir 3	cell 7	ecceececececececececececececececececec
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vnvir	cell 8	ecceecceecceecceecceecceecceecceecceec
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vnvirm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
V 11 V 11 11 11 1	0011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvirm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
, , <u>-</u>	0011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceccecceccecceccecceccecceccecceccecc
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vnvird+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
viiviia	0011	eececececececececececececececececececece
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		ecceccecceccecceccecceccecceccecceccecc
		eececececececececececececececececececece
vnvird+	cell 8	ecceccecceccecceccecceccecceccecceccecc
viiviid	cen o	eececececececececececececececececececece
		eececececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeee
vnvirm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
viiviiiii q ₁	0011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceccecceccecceccecccccccccccccccccccc
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeee
vnvirm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
VIIVIIII2(I)	COII 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccccccccccccccccccccccccccccccccccc
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		a atgggaaaa catgcggtgggaaaaacacacatcgcgaaacatttggcgcaacttgcggaagacaagtgcggctgcaacaaaaagtcgcgaacaacatgcggaagacaagtgcggctgcaacaaaaagtcgcgaacaacatgcggaagacaagtgcggctgcaacaaaaagtcgcgaacaacatgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacatgcggaagacaagtgcggctgcaacaaaaaagtcgcgaaacatgcggaagacaagtgcggctgcaacaaaaaagtcgcgaaacatgcggaagacaagtgcggctgcaacaaaaaagtcgcgaaacatgcgaaacatgcggaagacaagtgcggctgcaacaaaaaaagtcgcgaaacatgcgaaacatgcgaaacaaaaaagtcgcgaaacaaaaaaaa
		aaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaagcgcaagtggcggggggaatttcctgattcgcgatgccatuuuuuuuuuu
		gagg cactcg catatgtt gag cacatgttt tgg gggaa a attcccg ggc gac ggg cagga a caacgt cct gtcct gcgt gggaa a agccatgt gggaa a a
		ccacgtcctacccacgcccactcggttac
rhomel 3.1	cell 10	ec
111011101 0.1	0011 10	eccecececececececececececececececececece

		000000000000000000000000000000000000000
rhomel	cell 13	eccecceccecceccecceccecceccccccccccccc
Homei	Cen 19	ecceccecceccecceccecceccecceccecceccecc
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeee
rhomelm1	cell 8	ec
momenm	cen o	ecceccecceccecceccecceccecceccecceccecc
		ecececececececececececed sececececed decececececececececececececec
		eeeeeeeeeeeeeeeeeeee
rhomelm2	cell 9	ecccecccccccccccccccccccccccccccccccccc
THOMCHIIZ	cen 5	ecceccecceccecceccecceccecceccecceccecc
		ececececececececececetsecececedececececececececececececececece
		ecececececececececece
rhomeld+	cell 10	ecceccecceccecceccecceccecceccecceccecc
momera+	Cell 10	ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		ececececececececececece
rhomeld+	cell 13	eccecceccecceccecceccecce
momera+	Cen 19	ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		ecocceccecceccecceccecceccecceccecceccec
rhomelm1d+	cell 8	
momenma+	cen o	
		ec
		ecceececececececececececedececedec
rhomelm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeee
momennzu+	cen 9	999999999999999999999999999999999999999
		ecceecececececececececececececececececec
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaacacacgcacgcacacggcgatagaaattaacacgtagtttagcggaactttgtggcaagtgcaacaaaagtcgaagtcgcggacgaacacacac
		$tt caa atgaa a atctg caatgctg cggaaggag caagga caac {\tt ccacctg} tct atgagtgtg cgagtgtg cgagtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtgtg$
		cgagtgtgtgtgtgtgtgtgtgtgtaacaagtgcggaaattcctgaatcgcacatgtggcacgcac
		tegatgeteggteeaaggaatteecegageeaagggaagteegeecaaaacaegeecaaaaggeggeaattatgattae
rhovir 2.1	cell 5	eccecccccccccccccccccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeecceeecedeeccdeeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
rhovir	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecececececececececececececececececec
		eccecececececedecececececececececececec
rhovirm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecececececececedececececececececececece
rhovirm2	cell 9	ecccccccccccccccccccccccccccccccccccccc
	5511 0	ecceccecceccecceccecceccecceccecceccecc

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rhovird+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rhovird+	cell 6	666666666666666666666666666666666666666
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rhovirm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		$ecceeeceeeceeq \\ ecceeeceeceeceeceeceeceeceeceeceeceecee$
rhovirm2d+	cell 9	ecceeeceeeceeeceeceeceeceeceeceeceeceec
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		tattgaaagtgeegaagttagegggeattteacttaectgegtgggaaaategaetaatetgegaeegeeeegaggagteagttttgtt
		tttagageggtaaaggacaggtaacgggccacatgtctggccggaaattccccgttgacccctgaccccgtgtccttatgacgaattcgt
		cacttggcgtgagcacacctggatttccaccgcttagccagcggaaattccaaaacacctccggcccactggcctcaaaattgttata
		tgctctgctacgatgaagcagaagcagaagcagcagtgttttattggcggaagcatccgccaaattgcacccaatctgcagtttgaagtg
		ctcaaaaccccaccgctcccctgtgaatttccgccggccaggtaacgtgtgctaaaacaaaatttttatatcgaaattgccgcc
		ggtcaacgcgcgcgctgcccaatggccactttaaccacgtttcag
		ggicaacgegegeergeceaarggecaeriraaceacgriricag
vnmel 3	cell 5	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmel	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeceeeceeeceeceeceeceeceeceeceeceec
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vnmelm1	cell 8	ecceeeceeeceeeceeceeceeceeceeceeceeceec
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vnmelm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

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vnmeld+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmeld+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmelm1d+	cell 8	ecceececececececececececececececececec
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vnmelm2d+	cell 9	000000000000000000000000000000000000000
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		gtcaagggctgcacacacacaccctacctgcgtgggaaaatgtccattgcgctctcgggctaagctgttttggttgg
		ggcggtagggcaacgttgcaacggcaaatgtggctgtgccacatgtttgtgccggaaattccccgtgcacgccttaccgcctgcct
		tatgttgaaatttttcctatcacttggcgggtttttccgggccactggcggaaattccacaatgtcgccactggccacaggcagaaagtg
		caaccaaacgegettacaaaaattattataaaatgtgtattattaaatgecaaattgegteeaatcateegeagttetetgeeggeegge
		aagctgaccgtgtgctaaacaaaatcaaaaaaaaaaaaa
		gggctccaactggccactggggcaagctg
vnvir 3	cell 7	ecceccecceccecccccccccccccccccccccccccc
VIIVII 5	ccii i	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
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vnvir	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
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		ecceccecceccecceccecceccccccccccccccc
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vnvirm1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eccececececececececececececececececece

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vnvirm2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvird+	cell 7	ecceececececececececececececececececec
		eecceeecceeecceeecceeecceecceecceeccee
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vnvird+	cell 8	eccececececececececececececececececece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvirm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeee
vnvirm2d+	cell 9	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecececececececececececececececececec
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		agetttteetetgeteaaaateaaaatgattaaaacaacagtttgatacgaattttaatteeeetttttgetgeggagteagttaagtgalleegeteagtgalleegete
		gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacggcccctg
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaaacatgcggtgggaaaaacacacac
		ttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaaggacaccttgctgtgcggcgg
		caagtgg cgg cgg a a tttcctg attcgcg atgccatg agg cactcgccaagcttg acgcgttg ttttggggg a a a ttcccgggcg a a compared to the com
		$gccagga at caacgtcct gtcct g {\color{red}cgt} g {\color{red}gg} aa aa g {\color{red}ccc} acgtcct acccacgcccact cggttacct ga at tcg ag ctcg ag tgtttt$
		${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$
$rho2216t1t2s4a\ 3.1$	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4a	cell 13	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

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		eccecececececececececececececececececece
rho2216t1t2s4am1	cell 8	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeceects ecceeceeceeceeceeceeceeceeceeceeceeceec
		$et {\color{red}\mathbf{s}} ee e e e e e e e e e e e e e e e e e$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	cccccccsccccccccccccccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeccetsecceeecceeecceeecceeecceeecc
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececedececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	eccececcecceccecccccccccccccccccccccccc
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eccececet eccececececececececececececece
		eteeceeceecedececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eececececececececececececececececececece
rho2216t1t2s4ad+	cell 13	eececececececececececececececececececece
11102210010254444	cen 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccecceccecceccecceccecceccecccccccccc
		ecceccecteccccccccccccccccccccccccccccc
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
rho2216t1t2s4am1d+	0.011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rno2210t1t2s4am1a+	cell 8	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ecceccecceccecceccecccccccccccccccccccc
		eccececetseccececececececececececececece
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 2212112 1 21	11. 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	ecceceescececececececececececececececec
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etsee ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc

 $attccegtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc\\ cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$

1PE 1	cell 5	eccececececececececececececececececece
1PE	cell 6	eccecceccecceccecccccccccccccccccccccc
1PEm1	cell 8	eccececececececececececececececececece
1PEm2	cell 9	ecceeceeceeceeceeceeceeceeceeceeceeceec
1PEd+	cell 5	eccecceccecceccecceccecceccecccccccccc
1PEd+	cell 6	ecceeeecceeecceeecceeecceeecceeecceeecceeeccee
1PEm1d+	cell 8	eccececececececececececececececececece
1PEm2d+	cell 9	eccecceccecceccecceccecccccccccccccccc
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatcccaagagaaaacccaaagagaaacagaaaaatcccaagagaaaacccaagagaaacagaaaaatcccaagagaaaacccaaagagaaacagaaaaatcccaagagaaaacccaaagagaaacccaaagagaaacccaaagagaaacccaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagaaacccaaagagaaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaaacccaaagagaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaacccaaagagaaaacccaaagagaaacccaaagagaaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagaacccaaagaacccaaagaacccaaacccaaagaacccaaagaacccaaagaacccaaacccaagaacccaaacccaaagaacccaaccaacccaaccaacccaacccaacccaacccaacccaacccaacccaacccaacccaacccaaccca
		$cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteegetgeatee\\ aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetegtatteeegeateee\\ aacaegeataetteeeaggeatttteeeaaategagagaaaaceeaaagaataaceeaagagaaaacagaaaateeagagegtegagtea\\ aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeegeet\\ \\$
		${\color{red} gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$
2PE 2	cell 5	eccecceccecceccecceccecccccccccccccccc
2PE	cell 6	eccecceccecceccecceccccccccccccccccccc

		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecccccccccccccccccccccc
		$ecceeecceee \dagger ecceeecceeecceeecceeeccee$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecccccccccccccccccccccccccc
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	ecceccecceccecccccccccccccccccccccccccc
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececeececeecececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceccecceccecccccccccccccccccccccccccc
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$eccecceccec^{\dagger}ecceccccccccccccccccccccccccccccccccc$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	ecceeecceeecceeecceeecceeecceeecceeec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececcececcececcececceccecccccccccccc
		$ecceeecceee \dagger ecceeecceeecceeecceeeccee$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1	="	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececcecceccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeceeceeceeceeceeceeceec

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee \\ cegteeegateeeaacaegeataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaagagaaacagaaaaatee \\ agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$

1PEe 1	cell 7	eceeceeceeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeecececececececececececececececece
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		atcctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgg
		atcctgggaaaacccga
6xdlPLZ 6.1	cell 5	ee
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	ee ee ee ee de ee ee ee ee ee ee ee ee e
		and an administration of the state of the st

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6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	cell 9	ecceedececeeceeceeceeceeceeceeceeceeceec
		aaaaaaaaaaaaaaaatcca tatgagatcca tatgaga
6xEtPLZ 0	cell 1	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeceeeeeeets eeceeeeets eeceeeeeeeeeeeee
6xEtPLZm1	cell 8	ecceeeeeeeets ecceeeeeeeeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	ecceeeeceeets eeceeeceets ecceeeeceeeceeeceeeceeeceeeceeeceeceeeceeeceeecee
6xEtPLZd+	cell 1	ecceeeeceeets eeceeeceets ecceeeeceeeceeeceeeceeeceeeceeeceeceeeceeeceeecee
6xEtPLZd+	cell 2	ecceeeeeeeeets ecceeeeeeeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	ecceeeeeeeets ecceeeeeeeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
		agetttteetetgeteaaateaaatgattaaaacaacagtttgatacgaattttaatteecetttttgetgeggagteagttaagtggtegettteaggacteagggeateateecagategeacgateecatttgeatetgeetteetagaagetgettgaaagaegegeecetgggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacacactegegaaacatttggettgeggaagaeaagtgeggetgeaacaaaaagtegegaaacagaacetegggaagaeggaaaaaggacacettgetgtgegggggaaaaaggaegggaaaaaggaegggaaaaaggaegggggg
		caagtggcgggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacgcgttgttttgggggaaattcccgggcgagcaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgttttgtggctgagattgctttggtacggtggctgaccttgccagtgccagtggtccatgtcc
rho2216t1t2s4a 3.1	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		ecceeeeceteeeceeeeceeeeceeeeeeeeeeeeee
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
rho 2216t1t2s4a	cell 13	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeceececedeeceecececececececececececec
		eecececececececececececececed eccececece
1 00101110 4 1	11.0	ecceccecceccecceccecccccccccccccccccccc
rho2216t1t2s4am1	cell 8	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ecceecectseccececececececececececececece
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
rho2216t1t2s4am2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11102210010254a1112	Cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec

		etseeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
${\it rho} 2216t1t2s4ad +$	cell 10	eccecceccccccccccccccccccccccccccccccc
		eccececececececececececececececececece
		et eec eec eec eec eec eec eec eec eec e
		eccececececececececececececececececece
rho 2216t1t2s4ad +	cell 13	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		0.0000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececetecececececececececececececece
		ec
		eccepeccecceccecccccccccccccccccccccccc
rho2216t1t2s4am1d+	cell 8	
11102210010201011114	0011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$eeceeeeeet_{seceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee$
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eeeceeeseeceeeceeeceeeceeceeceeceeceecee
		eecceeccecceccecceccecccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceets ecceeeceeceeceeceeceeceeceeceeceeceecee
		etsee ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		atteccg tegateca a agatatte teaateccettttt gaatea acaagta aaatattte aaaaatt geega caatteecetegt at the second or observable of the second or observable or
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacagaaacagaacaac
		cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg
1PE 1	cell 5	ecceccecceccecceccecceccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	ecceccecceccecceccecccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DD 1	11.0	eecceeeccececececececececececececececece
1PEm1	cell 8	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeedeeeeedeeee
1PEm2	cell 9	666666666666666666666666666666666666666
11 121112	Cell 9	eccecceccecceccecceccecceccecccccccccc
		ecceccecceccecceccecceccecceccecceccecc

1PEd+	cell 5	eccececececececececececececececececece
		eccceeccceccccecccccccccccccccccccccccc
1PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaaataacccaagagaaaacacgaaaaatccaaacacgcatacttcccaagagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagagaaaacccaaagaaaacccaaagaaaacccaaagaaacaccaaagaaacaccaaagaaacaccaaagaaaacccaaaacccaaagaaacaccaaaacccaaagaaacacccaaagaaacccaaagaaacccaaaacccaaaacccaaagaaacccaaaacccaaaacccaacccaa
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc
		aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccagagcgtcgagtca
		aggetetettea att tagettt gaatt tegt titteg titteg ag eeg eeg eeg eeg eeg eeg eeg eeg ee
		${\color{red} \mathbf{g} a cgt catacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$
		g cag c g a at g g c c g cag cag cag caa at g t caat t t g a g caat g g c c g g a a g
2PE 2	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 2 2	con o	ec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecccee
		$ecceeeeceee^\dagger ecceeeeceeeeceeeeceeeeceee$
		eccceeccceeccceeccceeccceeccceeccceeccceecccee
2PE	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		ecceececececececececececececececececec
		ee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		ecceececececececececececececececececec

		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeeceeeceeeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	ecceececececececececececececececececec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaaacagaaaaatccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaaacccaagagaaaacagaaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaaacccaagagaaaacagaaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagaacccaagagaacccaagaacccaagagaacccaaacccaagaacccaaacccaagaacccaagaacccaagaacccaaacccaagaacccaaacccaagaacccaaaccc
		agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 1	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
105 1	11 ~	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		ececececececececececececececececececec
1PEem2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
1DD 1.	11 =	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eccecceccecceccecceccccccccccccccccccc
II Leu+	cen o	eccecceccecceccecceccecceccecccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Domiia i	0011 0	eecceeecceeecceeecceeetsececeedeecceeedeecceeedeecceecceecceecc
		ecccecccccccccccccccccccccccccccccccccc
1PEem2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cct gggaaaacccgagat gat cct gggaaaacccgagat cct gggaaaaacccgagat cct gggaaaacccgagat cct gggaaaacccga
6xdlPLZ 6.1	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	eeeceedeeeceeeeeeedeeeeeedeeeeeedeeeeeedeeeeee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ee
6xdlPLZm2	cell 9	eeeteeedeeeeeee
OXGIF LZIIIZ	cen 9	ececeedecececececececececedececececedec
6xdlPLZd+	cell 5	ecceeedecceeeceeeceedeceeceedeceeceedeceece
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	ee ee ee ede ee ee ee ee ee ee ee ee ee
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	ececeedecececececececececececececececec
6xdlPLZm2d+	cell 9	eeeceedeeeceeeeeeedeeeeeedeeeeeedeeeeedeeeeedeeeeee
	0000	eeeteeedeeeeeeee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	ecceeececeetsececettseccecececececececec
6xEtPLZ	cell 2	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeets eeeeeets eeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeceeeeeeeets eeceeeeets eeceeeeeeeeeeee
6xEtPLZd+	cell 1	ecceeeeeeeets ecceeeeets ecceeeeeeeeeeee
6xEtPLZd+	cell 2	eecceeeceeets eececeets eecceeeceeeceeeceeeceeeceeceeceeceeceec
6xEtPLZm1d+	cell 8	eeeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeee

 ${\it gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctg}$

caagtggegggaattteetgattegegatgeeatgaggeactegeeaagettgaegegttgttttgggggaaatteeegggegatgegatgegatgeggaatteeegggegatggccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt ${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$

$rho2216t1t2s4a\ 3.1$	cell 10	ecceececececececececececececececececec
		ecceecceecceecceecceecceecceecceecceec
		ecceecceecceecceecceecceecceecceecceec
		$ecceeeccee \dagger ecceeecceecceecceecceecceec$
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

cell 13 eccepece et eccepece eccepe eccepe

PERCEPTED A TOTAL A TO

 $ecceeccee \\table \\tab$

rho2216t1t2s4a

rho2216t1t2s4am1 cell 8

rho2216t1t2s4am2 cell 9

rho2216t1t2s4ad +cell 10

rho2216t1t2s4ad +cell 13

		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
rho2216t1t2s4am1d+	cell 8	eccececececececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\tt ets} eccese eccee e$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeeccetsecceecceecceecceecceecceeccee
		etseeeceeeeedeceeeeceeeceeeeceeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		ecceecceccecceccecccccccccccccccccccccc
		att.com*tematemanamatattatenatementttttmaatenaengagagataaaatattteaaagagattmeengegagattmeentemtatt
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtatt
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgc
1PE 1	cell 5	ecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	ecceeeccececcececcceccccccccccccccccccc
11 1		eccecececececececececececececececececece
		eccecececececececececececececececececece
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 24	0022 0	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eececececececececececececececececececece
1PEm1d+	cell 8	eececececececececececececececececececece
II Dilliu	0011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	
II Lili2d	cen 5	ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgcaattcccgtcgatcc\\ aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc\\ aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca\\ aggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatcccccgccgcct\\ \\$

2PE

cell 6

		eeceeeceeeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceecceecceecceecceecceecc
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeceeeceeeceeeceeceeceeceeceeceeeceeeceee
2PEm2d+	cell 9	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceee tecceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacccaaagagaaacagaaaaatccaagagaaaacccaaagagaaacagaaaaacagaaaaatccaagagaaaacagaaaaaacccaagagaaaacagaaaaaa
		agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 1	11 7	
IPEe I	cell 7	eeeceeeceeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 D.D.	11.0	666666666666666666666666666666666666666
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4DD 4	11 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceecceecceecceecceecceecceecceeccee
1PEed+	cell 7	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceecececececececececececececececece
1PEed+	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

$\operatorname{cell} 5$	ee
	eeeteeedeeeeeeee
cell 6	eeeceedeeceeeeeeeeeeeeeeeeeeeeeeeeeeee
	eeeteeedeeeeeee
cell 8	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
cell 9	ee
cell 5	ecceede ecce
cell 6	eecee edeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
cell 8	eecee edeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
cell 9	ee
	aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
	cell 6 cell 8 cell 9 cell 5 cell 6 cell 8

6xEtPLZ 0	cell 1	eeeeeeeeeets ee eeeeeeeeeeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeceeeeeeets eeceeeets eeceeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeceeeeeeets eeceeeeets eeceeeeeeeeeeeee
6xEtPLZm2	cell 9	eeceeeeeeets eeceeeeets eeceeeeeeeeeeeee
6xEtPLZd+	cell 1	eeceeeeeeets eeceeeeets eeceeeeeeeeeeeee
6xEtPLZd+	cell 2	eeceeeeeeets eeceeeeets eeceeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeceeeeeeets eeceeeeets eeceeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeceeeeeeets eeceeeeets eeceeeeeeeeeeeee

rho2216t1t2s4a 2.8 cell 10

cell 13	eccecceccecceccecccccccccccccccccccccc
cell	ecceececete ecceecececececececececececec
	ttssete tee eet eet ttets ttsttsttsttsttsttsttsttsttsttsttsttst
	${\bf sttstttttsttssttts} {\bf eeee etttsteee etttststetstsee ettsttetettststtttsttttteet stetsteen {\bf eeet tststetststetststetststttsttttstt$
	$tstt \\ \underline{s}ttttttstddttts\\ \underline{t}ttttetttteett\\ \underline{s}tt\\ \underline{s}ttettstettt\\ \underline{t}ttsteetttttteete\\ \underline{e}eddtteetst\\ \underline{s}ts\\ \underline{t}tst$
	tsttsttttsttsttsttsttsttsttstddtttttstsstttttstttttstseettseeetteeeeeetttstetetes
cell	tee et tet te et tet tet tet tet tet te
	tts set et ee ee teet ttets tts tts tts
	${\bf sttsttstttsttsstttssee ee ettttstee ee ettetststetstsee ettsttetettststtttsttttteetstet}$
	tsttssttttttstddtttststtttetttteettsttsttettstetttstseetttttt
	tsttsttttsttsttsttsttsttsttsttttsddtttttstts
cell 10	teeettetteetttteettettststeetststtttststttststttstsee eeeeeeee
cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	tts set et ee ee te et tt stt st ts tt st s
	${\bf sttstttttstttssttts} {\bf see} ee e etttstee ee ettete ee et ettststetstsee ettsttetettststtttsttttteet stetsteen ett ettststetstsee ettststetststetststetststetststetstsee ettststets$
	tstts sttttttstddtttststtttetttstettststettststetttststeetttttt
	tsttsttttsttsttsttsttsttsttsttttsddtttttstts
cell	$tee et tette et ttts te et statttts tstatttsts stattsts ee \\ et ttte e et tssee ee et ttte ee et et ttste ee ee et statt tt ttte te ee ee et statt tt tt tte ee ee ee et statt et te te ee ee et statt et ee ee et statt et ee e$
	tts set et ee ee te et tts tts tts tts t
	${\bf sttsttstttsstttssee} ee e et tttstee e e e e e e e e e e e e$
	tstts ttttttstddtttststtttetttteettsttsttettstetttsteetttttt
	tsttsstttttstddtttststtttetttteettsttsttettstetttsteetttttt
	cell cell 10 cell 13

1 1	1 1 11 111			1
- agagegtegagteaagg	ctctcttcaatttag	etttosatttoetota	ttttcgttttgcagccgccgc	ተውድድውድ

1PE 0.97	cell 5	eeccecceccecceccecceccccccccccccccccccc
11 L 0.51	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	000000000000000000000000000000000000000
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell	ee e et tst see e et tst ste e e e e et tst ste e e e
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf s} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf t} {\bf s} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf e} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf e} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf e} {\bf e$
1PEm2	cell	ee e et tst see e et tt te te e e e e e
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf s} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf t} {\bf s} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t$
1PEd+	$\operatorname{cell} 5$	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell	$ee e et t \underline{s} t \underline{s} e e e et t \underline{t} t \underline{t} e e e e e e e t \underline{t} \underline{t} \underline{t} \underline{t} e e e e e e t \underline{t} \underline{t} \underline{t} \underline{t} e e e e e e t \underline{t} \underline{t} \underline{t} \underline{t} e e e e e e e t \underline{t} \underline{t} \underline{t} \underline{t} e e e e e e e e e e e e e e e e e e e$
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf s} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf t} {\bf s} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf t} {\bf t} {\bf t} {\bf t} {\bf s} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t$
1PEm2d+	cell	ee e et tst see e et ttte te ee e e e e
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf s} ttttee {\bf e} {\bf t} {\bf s} tet {\bf t} {\bf t} e {\bf e} e {\bf t} {\bf t} {\bf s} e {\bf e} t {\bf t} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf t} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf t} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf t} {\bf s} e {\bf e} t {\bf e} e {\bf e} e {\bf e} t {\bf e} {\bf $

2PE 1.9

2PE

2PEm1	cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		stttteeetsetetststetteeeettsseetteeeettsseteteeeeettssttttsstttdttsettstseeet
		$tttetteee etest \underline{s}t\underline{s}tteee ee ett \underline{s}t\underline{s}tteet ett \underline{s}eett \underline{s}t\underline{s}tt\underline{t}t\underline{t}t\underline{t}\underline{t}t\underline{t}\underline{t}t\underline{t}\underline{t}t\underline{t}\underline{t}$
		${\bf s} t s tette e e e e t t {\bf s} s e t te e e e e e t t {\bf s} s e t e t e e e e e e t t {\bf s} s t t t t t s s t t t t s s t t t t $
2PEm2	cell	s ttttttttttstttttstttttstttttsttttttstttt
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf s} ttttee et {\bf s} tetete ee et t {\bf s} se tte ee ee et t {\bf s} se tetete ee ee tt {\bf s} st tt tt s tt t d tt se tt st se ee et te ee ee ee tt se tt tt se tt st se ee ee tt se ee ee ee tt se ee ee tt se ee ee tt se ee ee ee tt se ee ee ee tt se ee $
		tttetteeeeteetst st st teeee eet tst setett teee et et ts st teetett se et ts tst tt dtt st st tst tt tst tt tst tt tst tt tst tt t
		${\bf s} t s tette e e e e t t {\bf s} s e t te e e e e e t t {\bf s} e t e t te e e e e e t t {\bf s} s t t t t t {\bf s} s t t t t {\bf t} t t t t t t t t t t t t t t t t t t$
2PEd+	cell 5	stttttttttsttstttsttttstttttstttttsttttt
		ecceecceccecceccecceccccccccccccccccccc
		ec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
		ecceccecceccecceccecceccecceccecceccecc
		ee
		ee
		ecceeeeceeeteeeeceeeceeeceeeceeeceeecee
2PEm1d+	cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 Emily	cen	ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee ettttee ete ee ettsttstttett de tee ee t
		${\bf sttttee etsetets stette ee e etts seet te ee e etts setete te ee e etts sttttts stttdtt setts see e etter seete en ee etts seete ee e etts see etter ee ee etts seete ee e etts seete ee e etts seete ee ee ee etts seete ee ee ee etts seete ee ee$
		tttetteee eteets tst state ee ee ett state et ett se et ett se ett statt dt tt statt statt tt statt et ett statt et ett statt et ett statt ett ett statt ett statt ett ett statt ett ett statt ett ett ett ett ett ett ett ett ett
		ststetteee etts seettee ee etts setettee ee etts sttttts stttts stttts sttttt titte etts sttttt titte ett statt ett ee ett statt ett ee
2PEm2d+	cell	s t t t t t t t t
		${\bf s} {\bf t} {\bf t$
		${\bf sttttee etsetets} {\bf stettee e e etts seette e e e e e tts set tette e e e $
		tttetteee ete ete ete ete ete ete ete e
		${\bf s} t s tette e e e e t t {\bf s} s e t te e e e e e t t {\bf s} s e t tette e e e e t t {\bf s} s t t t t t s s t t t t t s t t t t $
		${\bf s}{\bf t}{\bf t}{\bf t}{\bf t}{\bf t}{\bf t}{\bf t}{\bf t$

 $attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc\\$

agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PEe 1PEem1	cell 8	eccececececececececececececececececece
		${\bf ststtsttttstttettsttttsttteettsttstdtdttettstttsedde tee et tttee et ee ee et tsttstett et tde tee ee ttst tstettett ee ee ee ee$
1PEem2	cell	sttttee ets et ets tstette e e et tsseet te e e e
		${\bf ststtsttttstttettsttttsttteettsttstsdtdttettstttsedde tee ettttee ete ee ettsttstett et t de tee ee ettst teen ee ee ee ett statistet et ee ee ee ettst ee ee$
1PEed+	cell 7	stttteetsetetststetteeettssetteeeettsseteteeeetteeeettssttttsstteee eeeeeeee
1PE1-	cell 8	ecceeccecceccecceccecccccccccccccccccc
1PEem1d+	cell	$eee ettstsee eettstsetettee eet ettstststtee eet ettstststteet ettseet ettststttdtt \\ ststtstttstttettstttsttteet ettststsdtdt et ettsttsedde te eet ettste eet eet ettststettett ee eet ettstsete ettstsete ettstsete ettstsete ett ett$
1PEem2d+	cell	stttteeetsetetststetteeettssetteeeettsseteteeeettssttttsstteee eeettstseeettststtttsstteee eeettstseeettststttetteeettsstststteeeettsstststteettssetettssetettseettsstttdtt
		${\bf ststtsttttstttettsttttsttteettsttstsdtdttettstttseddeteeetttteeeteee$
		${\bf s} ttttee et set et s {\bf s} tette e e et t {\bf s} set te e e e e e t t {\bf s} set te te e e e e t t {\bf s} s ttt t t {\bf s} s t t e e e e e t {\bf s} s t t t t t {\bf s} s t t e e e e e e e e e e e e e e e e e$
		ataataaan aa aagaa aa taataa aa aa aa aa aa aa aa aa aa
		at cct gggaaaacccgagat gat cct gggaaaacccgacct gggaaaacccgagat cct gggaaaacccgagat c
6xdlPLZ 5.8	cell 5	atcctgggaaaacccga eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ 5.8 6xdlPLZ	cell 5	atcctgggaaaacccga eeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		atcctgggaaaacccga eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	atcctgggaaaacccga eeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	atcctggaaaacccga eeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ 6xdlPLZm1	cell 6	atcctgggaaaacccga eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ 6xdlPLZm1	cell 6	atcctgggaaaacccga eeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1 6xdlPLZm2	cell 6 cell	atcctgggaaaacccga eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+	cell 6 cell cell cell 5	atcctgggaaaacccga eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+ 6xdlPLZd+	cell 6 cell cell 5 cell 6	atcctgggaaaacccga eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+ 6xdlPLZd+	cell 6 cell cell 5 cell 6	atcctgggaaaacccga eeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee

aaaaaaaaagato	ccatatoaos	tccatatoao	atccatatoaoa	tccatatoao	atccatatoao	atccatatoa
aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	CCauaugaga	i i c c a i a i g a g i	auccauaugaga	i i i i i i i i i i i i i i i i i i i	auccauaugag	auccauauga

6xEtPLZ 0 6xEtPLZ 6xEtPLZm1 6xEtPLZm2 6xEtPLZd+ 6xEtPLZd+ 6xEtPLZm1d+ 6xEtPLZm2d+	cell 1 cell 2 cell cell cell 1 cell 2 cell 2 cell cell 2	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		agetttteetetgeteaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtgagtegettteaggacteagggeateateeagategeacgateeetttgeatetgeetteeagaagetgettgaaagaegegeeettgggatgattagtgetaagateettgggaagaagaagggaaaaatgggaaaacatgeggtgggaaaaaacacacategeggaaacatttggegttgeggaagacaagtgeggetgeaacaaaaagtegegaaacgaaac
rho2216t1t2s4a 3	cell 10	eccecceccecceccecceccecceccccccccccccc
rho2216t1t2s4a	cell 13	eccececececececececececececececececece
rho2216t1t2s4am1	cell	etttteeettssee eetttettstee ee ee eettsttsttsttttttee ee ee eets tststtett te ee eettsttstee eettsteet ee ettsteet ee eet eet
		$sttstttttsttstttssee eettttstee eettetststetstseettsteettststtttstttttteetstet \\ tsttsstttttstddtttststtttetttteettsttsttettsteetttststeetttttt$
rho2216t1t2s4am2	cell	tee et te tee et tt te et te te te te te
		tsttsstttttstddtttststtttetttstettststettststetttstseetttttt

rho2216t1t2s4ad+	cell 13	etecceccecedecceccecceccecceccecceccecccccc
		eccecceccecceccecceccecccccccccccccccc
${\it rho} 2216t1t2s4am1d+$	cell	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		tts set et ee ee te et tts tts tts tts t
		${\bf s} tts tts ttts tts {\bf s} sttts {\bf s} ee ee et ttts te ee ee et et ee et et ts te ee et ts te ee et ts te ee et ts te ee et et ee ee et et ee ee et et ee ee$
		tsttsstttttstddtttststtttetttteettsttsttettstetttsteetttttt
		tsttsttttsttsttsttsttsttsttttsddttttttstts
rho2216t1t2s4am2d+	cell	tee et te tee et tt tee et tt tsteet statt tt statt tstatt statt statt tstee ee et tt tee et tstatt et te te tee et tt statt tt statt tatt
		tts set et ee ee te et tt st ts tt st s
		${\bf s} ttsttsttttstts{\bf s} ttts{\bf s} eeee eet tttsteee eet et tststetstsee eet tst te te ttststtttstttttteet stetsteen en statistische en statistische een statistische en st$
		tsttsstttttstddtttststtttetttstettststettststetttsteetttttt
		tsttsttttsttsttsttsttsttsttsttsttsttstt
		tee et tet tee et tt te et tet ts tt steets ts tt tt ts ts tt tt st ts tt ts te et st st tt tt st st tt st st tt st st st
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtarccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 1	cell 5	ecceeceeceeceeceeceeceeceeceeceeceeceec
1PE	cell 6	eccececececececececececececececececece
1PEm1	cell	ecceececececececececececececececececec
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee e ettttee e tee e e e e e e e e$
1PEm2	cell	s ttttee ets tetete e e etts se ette e e e
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee et tttee ee ee et tsttstett et tde tee ee ttst tstettett ee ee$
1PEd+		
	cell 5	stttteetsetetstetteeettssetteeeettsseteteeeettssetetteeeettssttttsstteee eeeeeeee
1PEd+	cell 5	ecceeccecceccecceccecccccccccccccccccc
1PEd+ 1PEm1d+		ecceececececececececececececececececec
	cell 6	ecceeccecceccecceccecccccccccccccccccc
	cell 6	ecceeccecceccecceccecceccccccccccccccc

stttteeetsetetstetteeeettssetteeeettsseteteeeetteettssetteteeeettsstttttsstteee

2PE

2PEm1

2PEm2

2PEd+

cell 6

cell

cell

cell 5

 ${\bf ststetteee etts} {\bf seettee ee etts} {\bf settetee ee etts} {\bf sttttts} {\bf sttttts} {\bf sttttts} {\bf sttttts}$

2PEm1d+	cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee et tttee et ee e et tsttstett et tde tee e et tst tstettett et tde tee e e e e e e e e e e e$
		${\bf sttttee etsetetst} {\bf stettee e e etts seette e e e e e ttsee e e e $
		tttetteeeeteets ts ts tteeee eet ts tts et et tteee et et tts state et tts et tts tt t
		${\bf ststettee e e t t s s e e t t e e e e e$
2PEm2d+	cell	$\mathbf{s}tttttttttttttttttttttttttttttttttttt$
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee et tttee et ee e et tsttstett et tde tee e et tst tstettett de tee e e e e e e e e e e e e e$
		$\mathbf{s} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{s} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} e$
		tttetteeeeteets tst state ee ee ett st tse tettteee et ett ts state et tst state tt state tt state tett state ett
		${\bf sts} tettee e e t t {\bf ss} e e t te e e e e t t {\bf ss} e t e t e e e e e t t {\bf ss} e t t t t t {\bf st} t t t t t {\bf st} t t t t t e e d t t t e e t t {\bf st} t t t t t t t t t t t t t t t t t t$
		$\mathbf{s}tttttttttttttttttttttttttttttttttttt$
		$attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegaeaatteeetegtattee\\eegteeegeateeeaacaegeataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaaggagaaacagaaaaatee\\agagegtegagteaaggeteetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg$
1PEe 1	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eccecceccecceccecceccecccccccccccccccc
1PEem1	cell	eeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\bf ststtsttttstttettstttsttteettsttstsdtdttettstttseddetee et tttee et ee ee et tsttstett et tdetee ee tstststettett ee ee$
		stttteeetsetetststetteeeettsseetteeeeettsseteteeeeettsstttttsstteee
1PEem2	cell	$ee e etts t \underline{s} e e e ett t t e e e e e e e e e e e e $
		${\bf ststtsttttstttettsttttsttteettsttstsdtdttettstttsedde tee e et tttee e tee e e e e e e e $
1PEed+	cell 7	stttteeetsetetststetteeeettsseetteeeeettseteteeeeetteeeettsstttttsstteee eeeeeeee
1PEed+	cell 8	ceecceecececececececececececececececec
1PEem1d+	cell	eeee eeee eee eee ee ee ee ee ee ee ee
		${\bf ststtsttttstttettsttttsttteettsttstsdtdttettstttseddete eet tttee et ee eet tsttstett et tdete ee eet tst tstettett dete ee ee ttst tstettett dete ee ee ttst tstettett dete ee ee ttst stationer en ee $
		${\bf sttttee etsetetsts} {\bf tettee e e ttsse} {\bf tetee e e e ttssetete e e e e tte e e e $
1PEem2d+	cell	$eee ettst \underline{s} ee e ett tte te ee et e et e t \underline{s} t s t t e e e e e e t \underline{s} t t s e e e t e t t \underline{s} e e t t \underline{s} t t t t d t t t$
		${f ststtsttttstttettstttsttteettsttstsdtdttettstttseddeteeetttteeeteee$

		· · · · · · · · · · · · · · · · · · ·
		at cct gggaaaacccgagat gat cct gggaaaacccgacct gggaaaacccgagat cct gggaaaaacccgagat cct gggaaaaa
6xdlPLZ 6	cell 5	ececeedecececececececececececececececec
6xdlPLZ	cell 6	eceteeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell	eeeteeedeeeeeeee
		tttstttsdddtttsttttsstttsdddtttstttttstttstts
6xdlPLZm2	cell	${f stttttttstttsdddttts}$
		tttstttsdddtttsttttstttsdddtttstttttt
6xdlPLZd+	cell 5	sttttttsttsdddtts eeeeeedeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	eceteedeeceeceeceeceeceeceeceeceeceeceeceece
6xdlPLZm1d+	cell	eeeteeedeeeeeeee
		tttstttsdddtttsttttsstttsdddtttstttttstttstts
6xdlPLZm2d+	cell	sttttttstttsdddttts
VIII. 2	002	tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttt
		${f s}$ ttttttstttsdddttts
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatga
6xEtPLZ 0 6xEtPLZ	cell 1 cell 2	ececececectsececectsecececececececececec
6xEtPLZm1	cell	ee ee et tet te et et ts st ts tt tet ts st ts tt ts ts ts tt ts tt ts ts ts
$6\mathrm{xEtPLZm2} \ 6\mathrm{xEtPLZd} +$	cell cell 1	eeeeettetteetettssttstttettssttstttettssttstt
6xEtPLZd+	$\operatorname{cell}2$	eeeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeee
$6xEtPLZm1d+ \\ 6xEtPLZm2d+$	$_{ m cell}$	eeeeettetteetettssttstttettssttstttettssttstt
UALIUI IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	CCII	CCCC
		agcttttcctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattcccctttttgctgcggagtcagttaagtggtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacatcgcgaaacatttggcttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcggggaaaaaaggacaccttgctgtgcggcggggaaaaaaggacaccttgctgtgcggcgggggaaaaaggaaaccttgcggaagcggaaaaaggacaccttgctgtgcggcgggggaaaaaggacaccttgctgtgcggcgggggaaaaaggaacaccttgctgtgcggcggggaaaaaaggacaccttgctgtgcggcggggaaaaaaggacaccttgctgtgcggcggggaaaaaaggacaccttgctgtgcggcggggaaaaaaggacaccttgcggaagcaggaaaaaaggacaccttgcggaagcaggaaaaaggacaccttgcggaagcaggaaaaaggacaccttgcgaagaaaaaggacaccttgcggaagaaaaaggacaccttgcggaagaaaaaggacaccttgcggaagaaaaaaggacaccttgcggaagaaaaaaggacaccttgcgaaaaaaaggacaccttgcggaagaaaaaaggacaccttgcgaaaaaaaggacaccttgcgaaaaaaaggacaccttgcgaaaaaaaa
		caagtgg cgg cgg aattteetgattegegatgee atgaggeactegee aagettgaegegttgttttgggggaaattee cgggegaggeggaatea acgteetgteetgegggaaaagee caagteetae caageteetaeetgagttaeetgaattegagetegagtgttttggtaeggtggetgaeettgee agtgegggeteetaeetgeggtgeetgaeettgeetgggtgeetgaeettgee agtgeggteetgeetgeetgeetgeetgeetgeetgeetg
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm a}~2.7$	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		et e e e e e e e e e e e e e e e e e e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eeccecceccecceccecceccccccccccccccccccc
111022100102544	CCH 15	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeceececedeceecececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
1 00161110 4 1	11.0	eccecececececececececececececececececece
rho2216t1t2s4am1	cell 8	eccececececececececececececececececece
		eeceeceeceeceeceeceeceeceeceeceeceeceec
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etsee e ee e e e e e e e e e e e e e e e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccccccccccccccccccccccc
rho2216t1t2s4am2	cell 9	ecceeces e
		ecceececececececececececececececececec
		ecceccecceccecceccecceccecceccecceccecc
		$eccecece et {\color{red} seccececececececececececececececececece$
		$et {\color{red} s} ee ee$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceteeeceeeeceeeeceeeeeeeeeeeeee
		et e e e e e e e e e e e e e e e e e e
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		eccecececececececececececececececececece
rho2216t1t2s4ad+	cell 13	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ecceccecteccecceccecceccecceccecceccecce
		eteececececedececececececececececececece
		eccecececececececececececececececececece
		eccececcecececececececececececececececec
rho2216t1t2s4am1d+	cell 8	ecceccecceccecceccecceccecccccccccccccc
11102210010251411114	cen o	ecceccecceccecceccecceccecccccccccccccc
		ecceccecceccecceccecceccecceccecceccecc
		ecceccectsecceccecceccecceccecceccecceccecceccecc
		etseeeeseeedeeceeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11102210t1t2S4aIII20+	cen 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eccececetseccececececececececececececece
		etsee ee

 $attecegtegateeaaagatatteteaateecetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee \\ eegteeegeateecaacaegeataetteeeaggeatttteeaaategagagaaaaceeaaagaataaceeaagagaaaacagaaaaate \\ eagagegtegagteaaggeteetteteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$

$1PE \ 0.97$	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceecceecceecceecceecceecceecceecceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceecceecceecceecceecceecceecceec
1PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEm2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $atteccgtcgatccaaagatatteteaateccetttttgaatcaacaagtaaaatattteaaaaattgeegacaatteecetegtattee\\eegteegeateceaacacgeataetteecaggeatttteecaaategagagaaaacecaaagaataacecaagagaaaacagaaaaate$

 $cagagegtegagteaaggeteetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteeegtegatee\\ aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetgtatteeeegeateee\\ aacaegeataetteeeaggeatttteeeaaategagagaaaaceeaaagaataaceeaagagaaaacagaaaaateeagagegtegagtea\\ aggeteetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeeegeeget\\ \\$

2PE 1.9

cell 5

		000000000000000000000000000000000000000
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21° E	cen o	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccececcececcecceccecccccccccccccccccc
		eeeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
0DF 4	11 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeceeeeceeeeceeeeceeeceeeceeeceee
		eeceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceecceecceeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeceeceeceeceeceeceeceeceeceeceeceec
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecccccccccccccccccccccc
		$ecceeececee \dagger ecceeecececececececececece$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ecceececececececececececececececececec
,		

atteccgtcgatccaaagatattetcaatcccetttttgaatcaacaagtaaatatttcaaaaattgccgacaattcccetcgtattecccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagaggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

$1PEe\ 0.98$	cell 7	eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
1PEe	cell 8	ecceccecceccecceccecceccecceccecceccecc
		ecceeceeceeceeceeceeceeceeceeceeceeceec
		eccecceccecceccecceccecceccecceccecccccc
1PEem1	cell 8	ecceccecceccecceccecceccecceccecceccecc
		ecceeceeceeceeceeceeceeceeceeceeceeceec
		ecceececececececececececececececececec
1PEem2	cell 9	ecceececececececececececececececececec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEed+	cell 7	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEem2d+	cell 9	ecceececeecececececececececececececece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececeecececececececececececececece
		at cct gggaaaacccg ag at gat cct gggaaaacccg acct gggaaaacccg ag at cct gggaaaaacccg ag at cct gggaaaacccg ag at cct gggaaaaacccg
		atcctgggaaaacccga
6xdlPLZ 5.8	cell 5	11111
0xdiPLZ 5.8	cen 5	eccecedeccecececececececedeccececececec
6xdlPLZ	cell 6	eccecedeccecececececececececececececece
OXUII LL	cen o	eeteedeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	ecetecedecececececececececececececececec
OXUII LZIIII	cen o	eeteedeeceeeeee
6xdlPLZm2	cell 9	ecetecedececececececedececececedecececec
OXQIF LLIIIZ	cen 9	ecccccatecccccecccccccccccccccccccccccc

eeeteeedeeeeeeee

6xdlPLZd+	cell 5	ecceeedeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	eccecedecececececececececececececececec
6xdlPLZm1d+	cell 8	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2d+	cell 9	eccecedecececedecececececececececececec
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatga
6xEtPLZ 0 6xEtPLZ 6xEtPLZm1 6xEtPLZm2 6xEtPLZd+ 6xEtPLZd+ 6xEtPLZm1d+ 6xEtPLZm2d+	cell 1 cell 2 cell 8 cell 9 cell 1 cell 2 cell 8 cell 9	eccecececetseccectseccececececececececec
		agetttteetetgeteaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtg gtegettteaggacteagggeateateeagategeacgateeetttgeatetgeettetaagaagetgettgaaagacgegeeett ggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacategegaaacatttggettgeggaagacaagtgeggetgeaacaaaaagtegegaaacatetgggaageggaaaacettgetgtgeggggaaatteetggggggaaatteetggggggaaatteetgggggggaaatteetgggggggg
		gccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtggccatgtcc
rho2216t1t2s4a 2.7	cell 10	ecceeccececcececcecceccecceccecccccccc
rho2216t1t2s4a	cell 13	ecceecceccecceccecceccecccccccccccccc
rho2216t1t2s4am1	cell 8	ecceeccecceccecceccecccccccccccccccccc

1 0040440 4 0	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eccececscececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeteeceeceeceeceeceeceeceeceeceec
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 13	ecceccecceccecceccecceccecceccecceccecc
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et e e e e e e e e e e e e e e e e e e
		eccecececececececececececececececececece
		ec
rho2216t1t2s4am1d+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeccecececececececececececececececec
		000000000000000000000000000000000000000
		ecceeeccetsecceeecceeecceeecceeecceeecc
		${ m ets}$ eeeeeseeeedeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eccecescecceccecceccecceccecceccccccccc
11102210010251011124	con o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecececectseecececececececececececececec
		etseeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		,
		ecceeccecceccecceccecceccecceccecceccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatuuuuuuuuuu
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 0.97	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 11 0.01	0011 0	eeceeeceeeceeeceeeceeetseeceeedeeceeeceeeceeeceeceeceeceeceeceec
		ecceccecceccecceccecceccecceccecceccecc
1PE	cell 6	ecceccecceccecceccecceccecceccecceccecc
11 11	COILO	ecceecceccecceccecceccecceccccccccccccc
1PEm1	cell 8	000000000000000000000000000000000000000
11 121111	cen o	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 121112	cen 9	ecceecececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eccecceccecceccecceccecccccccccccccccc
II Eu+	cen o	
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
IF Eu+	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE14+	11 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eccececcececcececcececcececcecceccccccc
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE 01.	11.0	666666666666666666666666666666666666666
1PEm2d+	cell 9	eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaaagagaaacagaaaaatccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaacccaaagaacccaacccaacc
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatattet caateeeetttttgaateaacaagtaaaatattte aaaaattgeega caatteeeetegtatteeeegteeegeateee
		aa cac g catact t c c cag g cat t t t c c caa at c g a g a g a a a a c c caa g a g a a a a
		aggetetettea att tagettt gaattt get gtattt tegtt tt geageegeeget geegete gagaaa aategaaa te ceeegeegeete gagaaa aategaaa te ceeegeete gagaaa aategaaa te ceeegeegeete gagaaa aategaaa te ceeegeegeete gagaaa aategaaa te ceeegeegeete gagaaa aategaaa aategaaaa aategaaa aategaaa aategaaaa aategaaaaa aategaaaa aategaaaaa aategaaaaa aategaaaaa aategaaaaa aategaaaaaa aategaaaaaa aategaaaaaa aategaaaaaa aategaaaaaa aategaaaaaa aategaaaaaa aategaaaaaaaaaa
		${\tt gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$
		gcagcgaatggccgtcgagcagccgcaaaatgtcaatttgagcaatggccggaag
		gengegaanggeegnegagengengaaangneaanngageaanggeeggaag
2PE 1.9	cell 5	000000000000000000000000000000000000000
		ec
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececteccecteccecececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	ecceccecceccecceccecceccecceccccccccccc
21 12	cen o	ec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeceeeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeceeeceeecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeetteeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	ecceccecceccecceccccccccccccccccccccccc
21 DIIII	con o	eccecececececececececececececececececece
		ecceccecceccecceccccccccccccccccccccccc
		eccecceccecceccecceccecceccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececece teccecececececececececececece

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	eccececececececececececececececececece
		ee
		eccececececececececececececececececece
		ecceececececececececececececececececec
		ecceeeecceeeecceeeecceeeecceeeecceeeecceeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	eecceeccecceccecceccecceccecccccccccccc
21 Ed	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccececceccecceccecceccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eccecececececececececececececececececece
		ecceececeecteececececececececececececec
ODD 1 -	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeceeeceeceeceeceeceeceeceeceeceeceecee
		eececececececececececececececececececece
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccececcececcececcececceccececcecece
2PEm1d+	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeeecceeeecceeeecceeeecceeeecceeeecceecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceecceeecceeecc
		ecceecceccecceccecccecccccccccccccccccc
		$ecceeeecceee \\ teceeeecceeecceeecceeecce$
		eccececcecececececececececececececececec
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc
		agagggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 0.98	cell 7	eccecccccccccccccccccccccccccccccccccc
	•	eccececececececececececetseccececececece

1PEe	cell 8	eccecceccecceccecccccccccccccccccccccc
1PEem1	cell 8	eccececececececececececececececececece
1PEem2	cell 9	eccecceccecceccecceccecceccecccccccccc
4DD 11	11 7	ecceececececececececececececececececec
1PEed+	cell 7	eccecceccecceccecceccccccccccccccccccc
1PEed+	cell 8	eccececececececececececececececececece
1PEem1d+	cell 8	ecceeccecceccecceccecccccccccccccccccc
1PEem2d+	cell 9	eeccececececececececececececececececec
		at cct gggaaaacccg agat gat cct gggaaaacccg acct gggaaaacccg agat cct gggaaaacccg agat cct gggaaaacccg agat cct gggaaaacccg agat cct gggaaaaacccg agat ggaaaaacccg agat ggaaaacccg agat ggaaaacccg agat ggaaaaccg agat ggaaaaacccg agat ggaaaacccg agat ggaaa
6xdlPLZ 5.8	cell 5	ee
6xdlPLZ	cell 6	ecceeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2	cell 9	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+ 6xdlPLZm2d+	cell 8	eeececdeeececeececeececeececececececece
6XGIPLZIIIZG+	cen a	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0 6xEtPLZ 6xEtPLZm1 6xEtPLZm2	cell 1 cell 2 cell 8 cell 9	eccecececetseccecetseccecececececececece

6xEtPLZd+ $6xEtPLZd+$ $6xEtPLZm1d+$ $6xEtPLZm2d+$	cell 1 cell 2 cell 8 cell 9	eccecececetsececettseccececeteccecececec
		agetttteetetgeteaaatcaaaatgattaaaacaacagtttgatacgaattttaatteeeetttttgetgeggagteagttaagtg gtegettteaggacteagggeatcatecagategeaggategetttgeatetgeetteteagaagetgettgaaagaegegeeeetg ggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacacacacactgeggaagattgeggaagacaagtgeggetgeaacaaaaagtegeggaaacgaaac
		caagtggcggcggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacgcgttgttttgggggaaattcccgggcgagccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgttttgtggctgagattgctttggtacggtggctgaccttgccagtgccagtggtccatgtcc
rho2216t1t2s4a 2.2	cell 10	
		eccececectecececececececececececececece
rho2216t1t2s4a	cell 13	eccececececececececececececececececece
rho2216t1t2s4am1	cell 8	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eccececececececececececececececececece
rho2216t1t2s4ad+	cell 10	eccecceccecceccecceccecccccccccccccccc
${\it rho} 2216t1t2s4ad +$	cell 13	eccecceccecceccecceccccccccccccccccccc

		ecceecceecceecceecceecceecceecceecceec
		ecceececececececececececececececececec
		$ecceeeccee^\dagger ecceeecceecceecceecceecceecceecceeccee$
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
rho2216t1t2s4am1d+	cell 8	ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceecceccecceccecceccccccccccccccccc
		$ecceeecce {\tt t} seceeecceecceecceecceecceecceecceecceec$
		etseeceseeee deceeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececeececeecececececececececececec
		ec
rho2216t1t2s4am2d +	cell 9	ecceeces e
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeeceets ecceeeceeceeceeceeceeceeceeceeceeceecee
		etseeeceeeeceeeeceeeeceeeeceeeeceeeecee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattuuuuuuuuuu
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaacagaaacagaaacccaaagagaaacagaaacccaaagagaaacagaaacagaaacccaaagagaaacagaaacccaaagagaaacagaaacccaaagaaacccaaagagaaacccaaagagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaacccaaaacccaaagaacccaaagaacccaaaacccaaagaacccaaaacccaaagaacccaaaacccaaaacccaaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccc
		${\color{blue} \textbf{c}} \textbf{agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc}$

1PE 0.87	cell 5	000000000000000000000000000000000000000
		ececececececececececececececececececec
		eceeeececeeececeeececeeececeeececeeecece
1PE	cell 6	ecceecceecceecceecceecceecceecceecceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeececeeececeeececeeececeeececeeecece
1PEm1	cell 8	ecceccecceccecceccccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceccecceccecceccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	ec
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	ecceccecceccecceccccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeecececececececececececececececececec
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeecececececececececececececececececec
1PEm2d+	cell 9	ecceecceccecceccecceccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeececeeececeeececeeececeeececeeecece

attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtatteeetegteeteegateeeteegateeteegateeteetegateeteegateegateeteegateeteegateegateeteegateeteegateegateeteegateegateeteegateegateeteegateeg

 $cagagcgtcgagtcaaggctctcttcaatttagetttgaatttgetgtattttegttttgcagccgccgctgccgcaattcccgtcgatcc\\ aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc\\ aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaatcgagagcgtcgagtca\\ aggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgcct\\ \\$

 $2PE\ 1.7 \quad cell\ 5$

2PE cell 6

2PEm1 cell 8

2PEm2 cell 9

2PEd+ cell 5

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		ecceccecceccecceccecceccecccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	ecceccecceccecceccecceccccccccccccccc
		eccececececececececececececececececece
		ecceececececececececececececececececec
		ecceccecceccecceccecceccccccccccccccc
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeeeceeeeceeeeceeeeceeeeceeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ecceececececececececececececececececec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeeeceeeeceeeeceeeeceeeeceeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		atteccg tegate caa agatattet caateeeettttt gaatea acaagtaa aatattte aaa aattgeega caatteee et et en een een een een een een e
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacagaaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacagaaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacagaaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaacccaagagaaacccaagagaacccaagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagaacccaagaacccaagagaacccaacccaagaacccaacccaaccaaccaacccaaccaaccaaccaaccaaccaaccaaccaaccaaccaaccaaccaaccaaccaacc
1DE 0.01	11.57	ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagagctccaggctcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 0.91	cell 7	$ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctccatcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\ eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee$
1PEe 0.91	cell 7	ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagaggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
		ccgtccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagaggtcaaggctcatttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEe 0.91 1PEe	cell 7	ccgtccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctcagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctcagtcag
1PEe	cell 8	ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctcagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctcagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	ccgtccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctcagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEe 1PEem1	cell 8	ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctcagtcag
1PEe	cell 8	ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctcagtcag
1PEe 1PEem1	cell 8	ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctcagtcag
1PEem1 1PEem2	cell 8 cell 8 cell 9	ccgtccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacacaaagaaaaatccaagagctcaggtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEe 1PEem1	cell 8	ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaggagtcaggtcaggtcaggtctctttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEem1 1PEem2	cell 8 cell 8 cell 9	ccgtccgcatccaacacgcatacttccagggattttccaaatcgagggaaaacccaaagaataaccaagagaaacagaaaatccaagagctcagtcag
1PEem1 1PEem2 1PEed+	cell 8 cell 8 cell 9 cell 7	ccgtccgcatcccaacacgcatacttcccaggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaagagctcagtcag
1PEem1 1PEem2	cell 8 cell 8 cell 9	ccgtccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaggagtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEem1 1PEem2 1PEed+	cell 8 cell 8 cell 9 cell 7	ccgtccgcatcccaacacgcatacttcccagggattttcccaatcgagggaaaacccaaagaataacccaagagaaacagaaaatccaggagctcgatcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEem1 1PEem2 1PEed+	cell 8 cell 8 cell 9 cell 7	ccgtccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaggagtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee

1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		atcetgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcgagatcctgggaaaacccgagatcg
6xdlPLZ 5.4	cell 5	eceeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	ececeedececececececececedecececedec
6xdlPLZm1	cell 8	ececeedececececececececedecececedec
6xdlPLZm2	cell 9	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 5	ee e e e e e e e e e e e e e e e e e e
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZ	$\operatorname{cell} 2$	ecceecececeets ecceececececececececececececececececec
6xEtPLZm1	cell 8	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	ecceeccecectseccecetseccececcecceccecccccccc
6xEtPLZd+	cell 1	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZd+ $6xEtPLZm1d+$	cell 2 cell 8	eeeeeeeeeetseeeeetseeeeetseeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eccececececetseccecetseccececececececece
		agettttcctctgetcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattcccctttttgetgeggagtcagttaagtggtegetttcaggactcagggcatcatccagategcacgateccatttgeatctgeettctcagaagetgettgaaagacgegeeetggagtcagttaagtggegeeetggagtcaggategeetggagtcagttaagtggegeeetggagtcaggategeetggaaagacgegeeetggagtcaggategeetggategeetg

caagtggcggcggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacggttgttttgggggaaattcccgggcgaggcaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgttttggtggctgagattgctttggtacggtggctgaccttgccagtgccagtggctcatgtcc

rho2216t1t2s4a 2.2 cell 10

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeceet eeeceeeceeceeceeceeceeceeceeceeceeceece
		et ecceeeceed ecceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	ecceccecceccecceccccccccccccccccccccc
		ecceccecceccecceccccccccccccccccccccc
		ecceecceecceecceecceecceecceecceecceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		ececececetsecececececececececececececece
		etseecesecedeecececececececececececececece
		ececececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceceseccecececececececececececececece
1110221001020101112	con o	
		ecceccectsecceccecceccecceccecceccecccccccc
		etseeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccccccccccc
rho2216t1t2s4ad+	cell 10	666666666666666666666666666666666666666
11102210t1t284au+	cen 10	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeceeeceeeceeeceeceeceeceeceeceece
	11.40	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eeecceecceecceecceecceecceecceecceecce
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ecceeeceed ecceeeceeceeceeceeceeceeceeceeceeceecee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceccecceccecceccccccccccccccccccccc
		ecceccecceccecceccccccccccccccccccccc
		ecceecceecceecceecceecceecceecceecceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		etsee e e e e e e e e e e e e e e e e e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecccccccccccccccccc

atteccgtcgatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtatteeetegteeteegacacaegeataetteeeaggeatttteeeaaategagagaaaaceeaaagaataaceeaagagaaacagaaaaateeegagagaaaaceeaagagaaacagaaaaateeegagagaaaaceeaagagaaacagaaaaateegagagaaaaceeaagagaaacagaaaaateegagagaaaaceeaagagaaacagaaaaateegagagaaaaceeaagagaaaceeaagagaaacagaaaaateegagagaaaaceeaagagaaaceeaagagaaacagaaaaateegagagaaaaceeaagagaaaceeaagagaaacagaaaaceeaagagaaacagaaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaagagaaaceeaaagaaaceeaagagaaaceeaagagaaaceeaaagaaaceeaagagaaaceeaagagaaaceeaaagaaaceeaagagaaaceeaaagaaaceeaagagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaagaaaceeaaaaceeaaagaaaceeaaaaceeaaagaaaceeaaaaceeaaaaceeaaceeaaaceeaaceaac

cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege

$1PE\ 0.87$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
1PE	cell 6	eccececececececececececececececececece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
1PEm1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceececeecececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEd+	cell 5	ecceececeecececececececececececececece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEd+	cell 6	ecceececeecececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteeegtegatee \\ aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetgtatteeeegeateee \\ aacaegeatactteeeaggeatttteeeaaategagagaaaaceeaaagaataaceeaagagaaaacagaaaaateeagagegtegagtea \\ aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeegeeget$

 ${\bf g} {\bf a} {\bf c} {\bf g} {\bf c} {\bf c} {\bf g} {\bf c} {\bf c} {\bf g} {\bf c} {\bf c$

2PE 1.7

		ecceccecceccecceccecccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		0.0000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	ecceccecceccecceccecccccccccccccccccccc
21 151112	cen 9	,
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		666666666666666666666666666666666666666
		eeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceecceecceeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$ecceeececee \dagger ecceeecececececececececece$
		ecceecceccecceccecceccecccecccccccccccc
2PEd+	cell 6	ecceeeccececcececccececcccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeceeteeceeeceeceeceeceeceeceeceece
9DE1-1+	0.11 0	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

2PEm2d+	cell 9	eccececcececcecceccecccccccccccccccccc
		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccaggggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc\\ agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$
1PEe 0.91	cell 7	eccececececececececececececececececece
1PEe	cell 8	eccececececececececececececececececece
1PEem1	cell 8	ececececececececececececececececececec
1PEem2	cell 9	eccecceccecceccecceccecccccccccccccccc
1PEed+	cell 7	ecceeccecceccecceccecceccccccccccccccc
1PEed+	cell 8	ecceeccecceccecceccecceccecccccccccccc
1PEem1d+	cell 8	ecceeccecceccecceccecceccccccccccccccc
1PEem2d+	cell 9	ecceececececececececececececececececec
		at cct gggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctggaaaacccgagatcctggaaaacccgagatcctggaaaacccgagatcctggaaacccgagatcctggaaacccgagatcctggaaacccgagatcctggaaacccgagatcctggaaacccgagatcctggaaaacccgagatcc
6xdlPLZ 5.4	cell 5	ee
6xdlPLZ	cell 6	ecceedeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	eeceeedeeceeeeeeeeeeeeeeeeeeeeeeeeeeee

eeeteeedeeeeeeee

6xdlPLZm2	cell 9	ee
6xdlPLZd+	cell 5	ecceee dececeee ecceee eccee ecceee eccee ecceee eccee ec
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatga
6xEtPLZ 0	cell 1	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eccececececetseccecettseccececececececec
6xEtPLZd+	cell 2	eccececececetseccecettseccececececececec
6xEtPLZm1d+	cell 8	eccececececetseccececteccececececececece
6xEtPLZm2d+	cell 9	ecceeeeceeeets ecceeeceeets ecceeeeceeeceeeceeeceeeceeeceeeceeecee
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtggtegettteaggaeteagggeateateeagategeaegateeettttgeatetgeetteteagaagetgettgaaagaegegeeettggggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacacactgegaaacatttggggttgeggaagacaagtgeggetgeaacaaaaagtegegaaacagaaactetgggaageggaaaaaggacacettgetgtgeggggaaattteetggtgeggeggaattteetggatgeeatggaggeaactegeeaagettgaegegttgttttgggggaaatteeegggegg
1 0016410 4 0.7	11.10	$gccaggaatcaacgtcctgtcctg {\color{red}cctgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt} \\ gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc$
rho2216t1t2s4a 2.7	cell 10	eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		ete e e e e e e e e e e e e e e e e e e
		ecceecceccecceccecceccecceccecceccccccc
		ecceeccececcececcececcececcecceccceccccc
rho2216t1t2s4a	cell 13	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececect eccececececececececececececec
		et ee e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecccccccccccccccccccccc
rho2216t1t2s4am1	cell 8	ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeet <mark>seeeeeeeeeeeeeeeeeeeeeeeeeee</mark>

		etsecees ee ee e e e e e e e e e e e e e e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccccccccccccccccccccccc
rho2216t1t2s4am2	cell 9	ecceeceseccecececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eccececetseccececececececececececececece
		$et {\color{red} s} ee ee$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	ecceececececececececececececececececec
		ecceeecceeecceecceecceecceecceecceecce
		ecceccecceccecccccccccccccccccccccccccc
		ecceccecceteccecceccecceccccccccccccccc
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
11102210111254au+	CH 19	eecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 00101110 4 111	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceecceccecceccccccccccccccccccccccccc
		ecceececececececececececececececececec
		eccececececececececececececececececece
		ecceccectseccecceccecceccecceccecceccecccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	ecceeceseecceececececececececececececec
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$eccecece et {\color{red} seccececececececececececececececececece$
		${\rm et}_{\bf s} {\rm ecceeeceedeeceeceeceeceeceeceeceeceeceec$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatuuruuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuu
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 0.97	aall E	000000000000000000000000000000000000000
11 E 0.91	cell 5	ecceecceccecceccecceccecccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE	11 0	000000000000000000000000000000000000000
1PE	cell 6	eeceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec

1PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceecceecceecceectsecceecceecceecc
1PEm2	cell 9	eeccecccccccccccccccccccccccccccccccccc
11 11112	cen b	eccecececececececececececececececececece
		eececececececececececececececececececece
1PEd+	cell 5	ecceccccccccccccccccccccccccccccccccccc
·		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eccececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attendertamatena a a matattatan a tendentitti maaten annata a a a tattena a a a a tattena a a a tattena a a a
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc
		ccgicccgcaicccaacacgcaiaciicccaggcaiiiiicccaaaicgagagaaaacccaaagaaiaacccaagagaaacagaaaaaic
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetgtatteeeegteeegeateee
		aa cac g catact t c c cag g cat t t t c c caa at c g a g a g a a a a c c caa a g a a a a
		aggetetettea att ttagettt ttaget tt ttegettt tt geageegeegeeget geegete gagaaa at egaaat ee
		${\tt gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$
		g cag c g a at g g c c g cag cag cag ca a a at g t ca at t t g a g ca at g g c c g g a a g
$2PE\ 1.9$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eececeececeececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecccccccccccccccccccccccccc
		ecceececee tecceccececececececececececec
ODE	11 <i>C</i>	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecceccecceccecceccccccccccccccccccc
		eeccecceccecceccecceccecceccecccccccccc
		ecceccecceccecceccecceccecccccccccccccc
		eeccececeteccecteccecececececececececec
		eececececececececececececececececececece
2PEm1	cell 8	ecceccecceccecceccecccccccccccccccccccc
	2211 0	eececececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececcecececececececececececececececec

		ecceeceeceeceeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeececeececeecececececececececececec
		ecccecccccccccccccccccccccccccccccccccc
		ecceeeeceeeeceeeeceeeeceeeeceeeeceeee
		eccecececececececececececececececececece
2PEd+	cell 5	ecccecccccccccccccccccccccccccccccccccc
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		ecceccecceccecceccecceccccccccccccccccc
		$ecceeceee^\dagger ecceeceeceeceeceeceeceeceeceeceeceeceec$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecccccccccccccc
		ecceccecceccecceccecceccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
2PEm1d+	cell 8	ecceeeecceeecceeecceeecceeecceeecceee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeecceeecceeecceeecceeecceeecceee
		ecceeeecceeecceeecceeecceeecceeecceee
		ececeeececeececeecececececececececececec
		ecccecccccccccccccccccccccccccccccccccc
		ecceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeececeecececececececececececececece
		ecccecccccccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attece g tegate caa agatat tetea at eccett ttt gaate aa caa g taa aa tatte caa aa att g ce ga caat te eccet g tatte caa caa g taa aa aa tatte caa aa aa aa tatte caa aa aa tatte caa aa
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc
		agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
$1PEe\ 0.98$	cell 7	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4 D.D.	11 0	eeececececececececececececececececececec
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecececececececececececececececececec
1 DE 1	11 Q	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	999999999999999999999999999999999999999
		ecceececececececececececececececececec
1PEem2	cell 9	eccccccccccccccccccccccccccccccccccccc
11 12(1112	COIL	eccecceccecceccecceccecceccccccccccccc
		eeccecceccecceccecceccecceccecccccccccc
1PEed+	cell 7	ecceccccccccccccccccccccccccccccccccccc
11 202 ,	00	eecceeecceeecceeecceecceects
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
1PEed+	cell 8	eecceeccececcececcecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecccccccccccccccccccc
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
1PEem2d+	cell 9	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cct gggaaaacccg ag at cct gggaaaacccg acct gggaaaacccg ag at cct gggaaaaacccg ag at cct gggaaaacccg ag at cct gggaaaacccg ag at cct gggaaaaacccg ag at cct gggaaaaacccg ag at cct gggaaaaacccg ag at cct gggaaaacccg ag at cct gggaaacccg ag at cc
6xdlPLZ 5.8	cell 5	
6xdlPLZ 5.8 6xdlPLZ	cell 5	atcetgggaaaacccga eeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	atcetgggaaaacccga eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		atcetggaanacccga eeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 6 cell 8	ececedecececececececececececececececece
6xdlPLZ	cell 6	ececedecececececececececececececececece
6xdlPLZm1 6xdlPLZm2	cell 6 cell 8 cell 9	eccecedeccecececececececececececececece
6xdlPLZm1	cell 6 cell 8	ececeedecececececececececececececececec
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+	cell 6 cell 8 cell 9 cell 5	ececeedecececececececececececececececec
6xdlPLZm1 6xdlPLZm2	cell 6 cell 8 cell 9	ececedecececececececececececececececece
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+ 6xdlPLZd+	cell 6 cell 8 cell 9 cell 5	ececedecececececececececececececececece
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+	cell 6 cell 8 cell 9 cell 5 cell 6	ececedecececececececececececececececece
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+ 6xdlPLZd+	cell 6 cell 8 cell 9 cell 5 cell 6	eccecedecceccecceccecceccecceccecceccecc
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+ 6xdlPLZd+ 6xdlPLZd+	cell 6 cell 8 cell 9 cell 5 cell 6 cell 8	ececedecececececececececececececececece
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+ 6xdlPLZd+ 6xdlPLZd+	cell 6 cell 8 cell 9 cell 5 cell 6 cell 8	eccecedecceccecceccecceccecceccecceccecc
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+ 6xdlPLZd+ 6xdlPLZd+	cell 6 cell 8 cell 9 cell 5 cell 6 cell 8	eccecedecceccecceccecceccecceccecceccecc
6xdlPLZm1 6xdlPLZm2 6xdlPLZd+ 6xdlPLZd+ 6xdlPLZd+	cell 6 cell 8 cell 9 cell 5 cell 6 cell 8	eccecedeccecececedeccecedeccecedeccecedeccececedeccececedeccececedeccececedeccecececececececececececececececececece

6xEtPLZm1	cell 8	ecceececects ecceececececececececececececececececec
6xEtPLZm2	cell 9	eeeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
		agetttteetetgeteaaaateaaaatgattaaaacaacagtttgatacgaattttaatteecetttttgetgeggagteagttaagtggtegettteaggacteagggeateateecagategeagateeceatttgeatetgeetteteagaagetgettgaaagaegegeeeetgggatgattagtgetaagateettgggeaggatggaaaaatgggaaaaacatgeggtgggaaaaacacacacactegegaaacatttggegaagatggtatgggaaaaacatgeggtgggaaaaacacacacactegegaaacatttggegaagatggaaaaacatgeggaagatgggaaaaacacacacacacacacacacacacac
		ttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcggggaaaaaggacaccttgctgtgcggcggggaaaaaggacaccttgctgtgcggcggggaaaaaggacaccttgctgtgcggcggggaaaaaggacaccttgctgtgcggcggggaaaaaggacaccttgctgtgcggcggggaaaaaggacaccttgctgtgcggcggggaaaaaggacaccttgctgtgcggcggggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgcggaaaggacaccttgctgcggcgggaaaaaggacaccttgctgcggcgggaaaaaggacaccttgctgcggcgggaaaaaggacaccttgctgcggcgggaaaaaggacaccttgctgcggcgggaaaaaggacaccttgctgcggcgggaaaaaggacaccttgctgcggcgggaaaaaggacaccttgctgcggaaaaaggacaccttgctgcggcgggaaaaaaaggacaccttgctgcggaaaaaaggacaccttgctgcggaaaaaaaggacaccttgctgcggaaaaaaaggacaccttgctgcgaaaaaaaa
		caagtgg cgg cggaattteetgattegegatgeeatgaggeactegeeaagettgaegegttgttttgggggaaatteeegggegageeaggaateaaegteetgteetgeggaaaageeeaegteetaeeaegeeeaeteggttaeetgagttgttttggtgetgagattgetttggtaeggtggetgaeettgeeagtgeeagtgeteatgtee
rho2216t1t2s4a 2.7	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eccececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeets ecceeeeeeeeeeeeeeeeeeeeeeeeee
		etsee e escee e de e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceee esceee ecceee ecceee ecceee ecceee ecceee eccee ecc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeects eeeceeeceeeceeeceeeceeeceeeceeeceeceece
		etsee ee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeee
		0+0000000000000000000000000000000000000

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 13	ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecccccccccccccccccc
		eccecece et eccecececececececececececece
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		etsee e e e e e e e e e e e e e e e e e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ets ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatuuuuuuuuuu
		cegtecegeateceaacaegeataetteceaggeatttteceaaategagagaaaacecaaagaataacecaagagaaacagaa
		00
		${\it cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeege}$
1PE 0.97	cell 5	
1PE 0.97	cell 5	${\bf cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg$
1PE 0.97	cell 5	$cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\ eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee$
1PE 0.97		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeeee
	cell 5	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeeee
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeeee
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE 1PEm1	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	cagaggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE 1PEm1	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2	cell 6 cell 8 cell 9	cagacgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE 1PEm1	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2	cell 6 cell 8 cell 9	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9 cell 5	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2	cell 6 cell 8 cell 9	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9 cell 5	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2 1PEd+ 1PEd+	cell 6 cell 8 cell 9 cell 5	cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9 cell 5 cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2 1PEd+ 1PEd+	cell 6 cell 8 cell 9 cell 5 cell 6	cagagestegasteaassetetteaatttasetttsaattteststatteetstatteetseeseeseeseeseeseeseeseeseeseeseese
1PEm1 1PEm2 1PEd+ 1PEd+	cell 6 cell 8 cell 9 cell 5 cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee

cagagegtegagteaaggeteetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteeegtegatee aaagatatteteaateecetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetegtatteeegeateee aacaegeataetteeeaggeatttteeeaaategagagaaaacecaaagaataacecaagagaaaaategagagetegagtea aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeegeeget

- 2PE 1.9 cell 5
- 2PE cell 6
- 2PEm1 cell 8
- 2PEm2 cell 9
- 2PEd+ cell 5

		cccccccccccccccccccccccccccccccccccccc
		$eecceeeccee \dagger ecceecceecceecceecceecceec$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eecceeecceeecceeecceeecceeecceeecceeecceeeccee
		eccecececececececececececececececececece
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccceeccceccceccccccccccccccccccccccccc
		ecceccecceccecceccecceccecccccccccccccc
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ecccccccccccccccccccccccccccccccccccccc
zi Ellizu+	cen 9	
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaacagaaaaaatccaagagaaaacagaaaaacagaaaaaacagaaaaaacagaaaaaa
		agagcgtcgagtcaaggetctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgc
1PEe 0.98	cell 7	ecceccecceccecceccecccccccccccccccccc
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeeceeeceeeceeeceeeceee
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Boilli	con c	ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccccccccccc
1PEem2	cell 9	
1r Eemz	cen 9	
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

1PEem1d+ 1PEem2d+	cell 8 cell 9	eccececececececececececececececececece
		at cct gggaaaacccg ag at cct gggaaaacccg ag at cct gggaaaacccg ag at cct gggaaaacccg ag at cct gggaaaacccg at cct gggaaaacccg ag at cct gggaaacccg ag at cct gggaaacccg ag at cct gggaaacccg ag at cct gggaaacccg ag at cc
6xdlPLZ 5.8	cell 5	ee
6xdlPLZ	cell 6	eccecedecececececececececececececececec
6xdlPLZm1	cell 8	eccecedeccecececececececececececececece
6xdlPLZm2	cell 9	ee
6xdlPLZd+	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	ecceede ecce
6xdlPLZm1d+	cell 8	ecceede ecce
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatga
6xEtPLZ 0	cell 1	eeeeeeeeeeetseeeeetseeeeeetseeeeeeeeee
6xEtPLZ	$\operatorname{cell} 2$	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeceeeeeeets eeceeeets eeceeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeceeeeeeets eeceeeets eeceeeeeeeeeeeeee
6xEtPLZd+	cell 1	$eeeeeeeeeet_{\bf S} eeeeeeeet_{\bf S} eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee$
6xEtPLZd+	cell 2	eeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeetseeeeeetseeeeeetseeeeeeeeeee

rho2216t1t2s4a 2.7	cell 10	000000000000000000000000000000000000000
11102210t1t284a 2.1	cen 10	eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
rho2216t1t2s4a	cell 13	eccecececececececececececececececececece
f1102210t1t284a	cen 15	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eccececcececceccecceccccccccccccccccccc
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 00101110 1 1	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	ecceecceccecceccccccccccccccccccccccc
		eccececcecceccccccccccccccccccccccccccc
		eccececcececceccccccccccccccccccccccccc
		eccececce:secececcececcececceccecccecccccccc
		etseeeeseeeedeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 00101110 1 0	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceccesceccecceccecceccecceccecccccccc
		ecceecceccecceccccccccccccccccccccccc
		ecceecceccecceccecccccccccccccccccccc
		eccececcetseccececcececcecceccccccccccc
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 0040440 4 1	11 40	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccccccccccccccccccccccc
		ecceecceccecceccecccccccccccccccccccc
		ececececetecececececececececececececece
		eteceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et eeceeeceed eeceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\rm ets} {\rm eccees} {\rm eccee} {\rm decee} {\rm eccee} {\rm ec$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 0040440 4 0 7	11 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee\\eegteegeateeegacateeteeaggeatttteeeaaategagagaaaaceeaaagaataaceeaagagaaacagaaaaate\\eagagegtegagteaaggeteetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$

$1PE \ 0.97$	cell 5	eccececececececececececececececececece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEm1	cell 8	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceececeecececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceecceecceecceec
1PEd+	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececeecececececececececececececece
1PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceecceecceecceec
1PEm1d-	+ cell 8	ecceececeecececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececeecececececececececececececece
1PEm2d-	+ cell 9	ecceececeecececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaacccaagagaaacccaagagaaacccaagagaaaacccaagagaaacccaagagaaacagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaacccaagaacccaagagaaacccaagaacccaagaacccaagagaaacccaagaacccaaacccaagaacccaaacccaagaacccaaacccaagaacccaaacccaagaacccaaacccaagaacccaaacccaagaacccaacccaacccaacccaacccaacccaacccaacccaacccaacccaaccaaccc

 $cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgcaattcccgtcgatcc\\ aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc\\ aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca\\ aggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcct\\ \\$

ecceperate temperate expression and the properties of the proper2PEcell 6 2PEm1 cell 8 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce eccesere eccesered in the contract of the co2PEm2 cell 9 ecccepercecceperceccepercecceperceccepercecceperceccepercecceperceccepercecceperd 2PEd+cell 5 ecccepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercec 2PEd+cell 6 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm1d+ cell 8

2PEm2d+	cell 9	eccececcececcecceccecccccccccccccccccc
		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc\\ agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$
1PEe 0.98	cell 7	ecceececececececececececececececececec
1PEe	cell 8	eccecceccecceccecceccecccccccccccccccc
1PEem1	cell 8	ecceececececececececececececececececec
1PEem2	cell 9	eccecceccecceccecceccccccccccccccccccc
1PEed+	cell 7	eccecceccecceccecceccecccccccccccccccc
1PEed+	cell 8	eccececececececececececececececececece
1PEem1d+	cell 8	ececececececececececececececececececec
1PEem2d+	cell 9	eccececececececececececececececececece
		at cct gggaaaacccgagat gat cct gggaaaacccgacct gggaaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct
6xdlPLZ 5.8 6xdlPLZ	cell 5 cell 6	ecceeedecceeceeceeceeceeceeceeceeceeceec

6xdlPLZm1	cell 8	ee ee ee ede ee ee ee ee ee ee ee ee ee
6xdlPLZm2	cell 9	eeeteeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
0.1411 BBIII.	0011 0	eeeteeedeeeeeee
6xdlPLZd+	cell 5	eceecedeeceeceeceeceeceeceeceeceeceeceec
6xdlPLZd+	cell 6	eeeecedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell 8	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2d+	cell 9	eceteedecececeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	eeeeeeeeeets eeeeeeeets eeeeeeeeeeeeeee
6xEtPLZ	cell 2	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	ecceeecceeects ecceeects ecceeecceeeccee
6xEtPLZm2	cell 9	ecceeeceeects ecceeecets ecceeeceeceeceeceeceeceeceeceeceeceecee
6xEtPLZd+	cell 1	ecceeeceeects ecceeecets ecceeeceeceeceeceeceeceeceeceeceeceecee
6xEtPLZd+	cell 2	ecceeeceeects ecceeecets ecceeeceeceeceeceeceeceeceeceeceeceecee
6xEtPLZm1d+	cell 8	eeeeeeeeeets eeeeeeees eeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	$eeceeeeceeeces \\ eeceeeceeceeceeceeceeceeceeceeceeceecee$
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtg gtegettteaggacteagggeateateeagategeacgateeettttgeatetgeetteteagaagetgettgaaagacgegeeettgggatgataattgggaaaacatggggaaaacatggggaaaacatggggaaaacacacac
		$caagtggcgggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacggttgttttgggggaaattcccgggcga\\gccaggaatcaacgtcctgtcct$
rho2216t1t2s4a 2.7	cell 10	ecceccecceccecceccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		etecececeedecececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11102210t1t284a	cen 13	000000000000000000000000000000000000000
		eccececcececceccecceccccccccccccccccc
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
		etecececececececececececececececececece
		ec
		ec
rho2216t1t2s4am1	cell 8	ec
	-	ecececcececcecccccccccccccccccccccccccc

		eeccecceccecceccecceccccccccccccccccc
		ecceeeeeets ecceeeeeeeeeeeeeeeeeeeeeeeee
		etsee e esce e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceecceccecceccecceccccccccccccccccccc
		ecceeeece tecceeeeceeeeceeeeceeeeceeeec
		etececececedecececececececececececececec
		ecceecceccecceccecceccecceccecceccecccecccc
		eeccecececececececececececececececececec
rho2216t1t2s4ad+	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
111022100102010001	0011 10	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eccececeteccececececececececececececece
		eteeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	
11102210010254a11114	cen o	
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecectsecceeccececceccecceccecceccecceccecccecccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeccecceccecceccecceccccccccccccccc
1 00101110 4 011	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	ecceecescececececececececececececececec
		eecceeccecceccecceccecccccccccccccccc
		eeccecceccecceccecceccecccccccccccccc
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etseceeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatuuruuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuuu
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacaac
		cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg
1PE 0.97	cell 5	ecccccccccccccccccccccccccccccccccccccc
11 11 0.01	0011 0	ecceeeeceeeeceeeeceeeeceeeceeeceeeceee
		eeccececececececececececececececececec
1DE	11 <i>C</i>	

1PE

cell 6

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	666666666666666666666666666666666666666
11 EIII1	cen o	ec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1FEIIIZ	cen 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE-1	11 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eceeeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		eee eee eee ee ee ee ee ee ee ee ee ee
1DE 1	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	,, ,	666666666666666666666666666666666666666
1PEm1d+	cell 8	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc
		${\color{blue} \mathbf{c}} \mathbf{a} \mathbf{g} \mathbf{a} \mathbf{g} \mathbf{c} \mathbf{g} \mathbf{g} \mathbf{g} \mathbf{g} \mathbf{g} \mathbf{g} \mathbf{g} g$
		aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtcccgcatccc
		aacacgcatacttcccaggcattttcccaaatcgagagaaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca
		$aggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatcccccgc{ccccc}$
		${\tt gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$
		${\tt gcagcgaatggccgtcgagcagccgcaaaatgtcaatttgagcaatggccggaag}$
0DE 1.0	11 -	
2PE 1.9	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		666666666666666666666666666666666666666
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		ee
		eceeeeceeeeteeeeceeeeceeeceeeceeeceeece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

ecceperate temperate expression and the properties of the proper2PEm2 cell 9 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEd+cell 5 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEd+cell 6 ecccepercecceperceccepercecceperceccepercecceperceccepercecceperceccepercecceperd eccepecee eteccepecee eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepe eccepece eccepece eccepece eccepece eccepece eccepe eccepe eccepe eccep2PEm1d+ cell 8 ecccepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercec 2PEm2d+ cell 9eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce

eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce

attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccagagggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PEe 0.98	cell 7	ecceececececececececececececececececec
		eecceeeceeeceeeceeeceeeceeeceeeceeecee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE 0	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccecececececececececececececececececec
1DD 1	11 =	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccecececececececececececececececececec
1DD 1	11.0	666666666666666666666666666666666666666
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccee
1DD 11.	11.0	666666666666666666666666666666666666666
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccee
1DE 01:	11.0	666666666666666666666666666666666666666
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cct gggaaaacccgagat gat cct gggaaaacccgacct gggaaaacccgagat cct gggaaacccgagat cct gggaaaacccgagat cct gggaaaacccgagat cct gggaaaacccgagat cct gggaaaacccgagat cct gggaaaacccgagat cct gggaaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct g
		atcctgggaaaacccga
6xdlPLZ 5.8	cell 5	ecceeedecceeeceeeceeedecceeeceedecceeeceedecceecee
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	eccecedeccecececececececececececececece
6xdlPLZm1	cell 8	ecceeedecceeeceeeceeedecceeedecceeedecceeedecceeeceedecceeeceedecceeeceedecceeecee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	ecceeedecceeeceeeceeedecceeedecceeedecceeeceeeceeeceedecceeeceec
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	eeceeedeeceeeceeedeeceeedeeceeedeeceeedeeceeedeeceeedeeceeedeeceedeeceeedeecee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	ecceeedecceeeceeeceeedecceeedecceeeceedecceeeceec
		eeeteeedeeeeeeee
6xdlPLZm1d-	+ cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2d-	+ cell 9	ee
		eeeteeedeeeeeeee

aaaaaaaaaaatccatatgagatccatatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccat

6xEtPLZ 0	cell 1	eeeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	ecceeececeeetseeceetsecceeececececececec
6xEtPLZd+	cell 1	eccecececectseccectseccecececececececece
6xEtPLZd+	cell 2	eccecececetscecectscececetscecececececec
6xEtPLZm1d+	cell 8	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
ONE OF ELEMENT	con o	
		agetttteetetgeteaaaateaaaatgattaaaacaacagtttgatacgaattttaatteeeetttttgetgeggagteagttaagtgalleegenees agetteetetgeteaaaatgattaaaacaacagtttgatacgaattttaatteeeetttttgetgeggagteagttaagtgalleegeneeseeg
		$\tt gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctg$
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaaacatgcggtgggaaaaacacacac
		ttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaaggacaacgaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaaaggacaccttgctgtgcggcgggaaaaaaaggacaccttgctgcggcgggaaaaaaaa
		caagtgg cgg cgg a atttcctg attcg cgatgc cat gagg cactcg ccaag ctt gacg cgttgtttt ggg ggaa attcccg ggc gagg cactcg cat gagg cat gagg cgg gagg ga
		$gccagga at caacgtcctgtcctg \textcolor{red}{cctgcggga} aaag \textcolor{red}{cccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt}$
		${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$
rho2216t1t2s4a 2.7	cell 10	ecccccccccccccccccccccccccccccccccccccc
111010110_010	0011 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		eccececect eccececececececececececececec
		eteccececedeccececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeedeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
f1102210t1t2s4a	cen 15	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		eecceecceteecceeccecceccecceccccccccccc
		eteeceececedecececececececececececececec
		eeccececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$ecceeeceets \underline{\textbf{s}} \underline{\textbf{e}} $
		etsee e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		etsee ee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 13	eccececececececececececececececececece
		eccececececececececececececececececece
		ecceccecceccecccccccccccccccccccccccc
		eccececceeteccececcececcececceccecceccec
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceecceecceecceecceecceecceecceec
		000000000000000000000000000000000000000
rho2216t1t2s4am1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11102210010251011114	con o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceetsceecceecceecceecceecceecceecc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecccccccccccccc
1 22121112 4 21	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eccececseccecececececececececececececec
		eccececececececececececececececececece
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attecce g tegate caa agatat tete a at eccett ttt gaate a acaa g taa aa at at tte aa aa at t g ee gaca at tee cet e g ta acaa g taa aa at at tte aa aa at t g ee gaca at tee cet e g ta acaa g taa aa at at tte aa aa at t g ee g acaa t tee cet e g ta acaa g taa aa at at t te aa aa at t g ee g acaa t t ee cet e g ta acaa g taa aa at at t t e aa aa at t g ee g acaa t t ee cet e g ta acaa g taa aa at at t t e aa aa at t g ee g acaa t t ee cet e g ta acaa g taa aa at at t t e aa aa at t g ee g acaa t t ee cet e g ta acaa g taa aa at at t t e aa aa at t g ee g acaa t t ee cet e g ta acaa g taa aa at at t t e aa aa at t g ee g acaa t t ee cet e g ta acaa g taa aa at at t t e aa aa at t g ee g acaa t t ee cet e g ta acaa g taa acaa g taa aa at at t t e aa aa at t g ee g acaa t t ee cet e g ta acaa g taa acaa g ta
		anceegieganeeaaagananeieaaneeeenningaaneaacgaaaaanineaaaaanigeegacaaneeeenegia
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacagaaacagaacaac
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PF 0 07	cell 5	${\bf c} {\bf a} {\bf g} {\bf a} {\bf g} {\bf c} {\bf t} {\bf c} {\bf a} {\bf g} {\bf g} {\bf c} {\bf t} {\bf c} {\bf t} {\bf t} {\bf t} {\bf d} {\bf t} {\bf t} {\bf t} {\bf g} {\bf c} {\bf t} {\bf t} {\bf t} {\bf t} {\bf g} {\bf c} {\bf c$
1PE 0.97	cell 5	$cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\ eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee$
1PE 0.97	cell 5	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeeee
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeeee
1PE 0.97	cell 5	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeeee
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE 1PEm1	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	cagaggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE 1PEm1	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2	cell 6	cagaggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PE 1PEm1	cell 6	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2	cell 6 cell 8 cell 9	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2	cell 6 cell 8 cell 9	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9 cell 5	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9 cell 5	cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc eeeeeeeeeeeeeeeeeeeeeeee
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9 cell 5	cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg
1PEm1 1PEm2 1PEd+ 1PEd+	cell 6 cell 8 cell 9 cell 5 cell 6	cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg

1PEm2d+cell 9 ecceepereceperecepereceeetsecceetsecceperecepereceperecepereceperecepereceperecepereceperd atteccg tegate caa agatat tete caateee etttt tegaatea acaagtaa aatat tee aa aaat tege ga caat tee ce tegtat tee aatee caa agata aatat tee aa aatat tee caa agata at tee caa agata aatat tee caa agata at tee caa agata agata at tee caa agata agata at tee caa agata agata at tee caccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcca a agatatte te a at cecettt tt gaat caa caagtaa aat at tte caa aat tgeega caattee cetegt at tee cegetee ege at cees a comment of the commeaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca ${\it aggetetette}$ can attage the sattle constant the state of the same constant and the sattle consta gcagcgaatggccgtcgagcagccgcaaaatgtcaatttgagcaatggccggaag 2PE 1.9 cell 5 ecccepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercec ecceperate temperate tem2PEcell 6 2PEm1 cell 8 ^ ^ eccepecee eteccepecee eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepe eccepece eccepece eccepece eccepece eccepece eccepe eccepe eccepe eccep2PEm2 cell 9

2PEd+

cell 5

		ecceececececececececececececececececec
		ecceeceeceeceeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceecceecceecceecceecceecceeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeccececcececccececccececcccecccccc
		eccecececececececececececececececececece
		ecceccecceccecceccecccccccccccccccccccc
		$eccepcece^{\dagger}eccepceccecceccecccccccccccccccccccccc$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 Emig	con c	eccecececececececececececececececececece
		ecceccecceccecceccecceccecceccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccececeteccececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ecceccecceccecceccccccccccccccccccccccc
ZI EMZG	cen b	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeceeeceeeceeceeceeceeceeceeceecee
		atteccg tegate caa agatat tete aatee cettttt gaatea acaagtaa aatatt te aa aaatt geega caattee ceteg tattee aatee comments and the comment of the comment o
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacagaaaaacccaagagaaaacccaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacccaagagaaaacagaaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaaagagaaaacccaaagaaaacccaagagaaaacccaaagaaaacccaagagaaaacccaaagaaaacccaaagaaaaacccaaagaaaaacccaagagaaaacccaaagaaaaacccaaagaaaaacccaagaaaaacccaagaaaaacccaagaaaaacccaagaaaaacccaaagaaaaacccaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaacccaaagaaaacccaaagaaaacccaaaagaaaacccaaaacccaaagaaaacccaaaacccaaagaaacccaaaacccaaaacccaaaacccaaaacccaaaacccaaaa
		agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg
1PEe 0.98	cell 7	ecceececececececececececececececececec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEem2	cell 9	ecceececececececececececececececececec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEed+	cell 7	ecceececececececececececececececececec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec

1PEed+	cell 8	ececececececececececececececececececec
1PEem1d+	cell 8	eccececececececececececececececececece
1PEem2d+	cell 9	ececececececececececececececececececec
		at cct gggaaaacccg agat gat cct gggaaaacccg acct gggaaaacccg agat cct gggaaaacccg agat cct gggaaaacccg at cct gggaaaacccg at cct gggaaaacccg acct gggaaacccg acct gggaaaacccg acct gggaaaacccg acct gggaaacccg acct ggga
6xdlPLZ 5.8	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	ececedecececececececececececececececece
6xdlPLZm1	cell 8	ecceede ecce
6xdlPLZm2	cell 9	ecceede ecce
6xdlPLZd+	cell 5	ee
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	cell 9	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	ecceecececets ecceececececececececececececececececec
6xEtPLZ	cell 2	eeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZm2 $6xEtPLZd+$	cell 9 cell 1	eccecececetsececetsecceceteccececececece
6xEtPLZd+	cell 2	eccececececetsececetsecceceteccecececece
6xEtPLZm1d+	cell 8	ecoccecectscecectscececettscececectcececece
6xEtPLZm2d+	cell 9	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
	_	

 $caagtggcgggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacggttgttttgggggaaattcccgggcgacgg\\gccaggaatcaacgtcctgcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagtctggtttttgg\\$

 ${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$

1 00161110 4 0.7	11.10	
$rho2216t1t2s4a\ 2.7$	cell 10	eecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceeccecceecceecceeccee
		666666666666666666666666666666666666666
		eecceeccececcececcececceccccccccccccccc
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 00101110 4	11 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecce
		eeccececeteeccecececececececececececece
		eteeceeceecedeceeceeceeceeceeceeceeceeceec
		eccecceccecceccecceccecccccccccccccccc
_		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		ecceeeceets ecceeeceeceeceeceeceeceeceeceeceeceecee
		etsee e esce e e e e e e e e e e e e e e e
		eecceeecceeecceeecceeecceeecceecceecce
		ecceecceccecceccecccccccccccccccccccccc
rho2216t1t2s4am2	cell 9	ecceeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceecceecceecceecceecceecceecceeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeets eeceeeeeeeeeeeeeeeeeeeeeeeee
		$et {\color{red} s} ee ee$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	ecceccecceccecceccecceccecceccecceccecc
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececect eccececececececececececececec
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecececececececececececececececece
		ecceeeceeteeceeeceeeceeceeceeceeceeceece
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
rho2216t1t2s4am1d+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
·		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccetsecceccecceccecceccecccccccccc
		etsee e ee e e e e e e e e e e e e e e e
		eecceeecceeecceeecceeecceeecceeecceeeccee

		ecseccesessessessessessessessessessesses
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaacagaaaacccaaagagaaacagaaacagaaacagaaaacccaaagagaaacagaaacagaaaacccaaagagaaacagaaaacagaacagaacaac
		${\bf cagagggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc}$
1PE 0.97	cell 5	eeceeeeceeeeceeeeceeeceeeceeeceeeceeec
1PE	cell 6	eccececececececececececececececececece
1PEm1	cell 8	eccececececececececececececececececece
1PEm2	cell 9	eccececececececececececececececececece
1PEd+	cell 5	eccececececececececececececececececece
1PEd+	cell 6	eccececececececececececececececececece
1PEm1d+	cell 8	eccececececececececececececececececece
1PEm2d+	cell 9	eccececececececececececececececececece
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaa
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgaraaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccggcacaatccaggcatcaacaagagagaaaacccaaagagaaaacccaagagaaaaacccaagagaaaatccagaggcgccacgccgctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctccgagaaaatcgaaatccccggccgcccccccc
		${\tt gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$
2PE 1.9	cell 5	ecceecceccecceccecccccccccccccccccccccc

rho2216t1t2s4am2d+ cell 9

eccesere eccesered in the contract of the coecceperate temperate expression and the properties of the proper2PE cell 6 eccepecee eteccepecee eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepe eccepece eccepe eccepece eccepece eccepe eccepe eccepe eccepe eccepe ec2PEm1 cell 8 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm2 cell 9 2PEd+cell 5 999999 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEd+cell 6 2PEm1d+ cell 8

2PEm2d+	cell 9	cecceccecceccecceccccccccccccccccccccc
		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaaaaacccaagaaaaacccaagaaaaatcc\\ agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$
1PEe 0.98	cell 7	eccecceccecceccecceccccccccccccccccccc
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	ceccececececececececececececececececec
1PEem1d+	cell 8	cecceccecceccecceccecceccccccccccccccc
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctggaaaaacccgagatcctggaaaaacccgagatcctgggaaaaacccgagatcctggaaaaacccgagaaaaacccgagaaaaacccgagaaaaacccgagaaaaacccgagaaaaacccgagaaaaaa

eeeteeedeeeeeeee

6xdlPLZ	cell 6	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	eeeteeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	eeceee de eeceee eecee eece eece eece e
6xdlPLZd+	cell 5	ecceeedecceeeceeeceedeceeceedeceeceedeceece
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2d+	cell 9	ecceee de ecceee eccee
		aaaaaaaaaaaaaatcca tatgagatcca tatgagatc
c Educa o	11 -4	
6xEtPLZ 0	cell 1	eeeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeceeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eecceeecceetseeccectseecceecceecceecceec
6xEtPLZm2	cell 9	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeccecececetseeccettseeccececececececece
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtg gtegettteaggacteagggeateateeagategeacgateeettttgeatetgeetteteagaagetgettgaaagaegegeeettgggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacacactegegaaacatttggettgeggaagaaaagtgeggetgeaacaaaaagtegegaaacgaaac
		$caagtgg {\color{red}cgg} {\color{red}c$
		$gccaggaatcaacgtcctgtcctg \\ cgtgggaaaag \\ ccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt \\ gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc$
rho2216t1t2s4a 2.7	cell 10	eeccecceccecceccecceccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho 2216t1t2s4a	cell 13	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et eeceeecede eeceeeceeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceee

rho2216t1t2s4am1	cell 8	ecceeeccecececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeeccetsecceecceecceecceecceecceeccee
		${ m ets}$ eeeeeseeeedeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		eccecececececececececececececececececece
rho2216t1t2s4am2	cell 9	eccececscececececececececececececececec
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eeccececetseccececcececceccecceccecceccecceccccccc
		etseeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecececececececececececedecececedec
rho2216t1t2s4ad+	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11102210t1t2s4au+	cen 10	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		666666666666666666666666666666666666666
		eccececcetecccececccccccccccccccccccccc
		eteeceeecedeeceeceeceeceeceeceeceeceeceece
		ecceccecceccecceccecceccecceccecceccecc
1 224 6:4:2 4 1:	11.40	eccecececececececececececececececececece
rho2216t1t2s4ad+	cell 13	eccececececececececececececececececece
		ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
rho2216t1t2s4am1d+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeceects ecceeceeceeceeceeceeceeceeceeceeceeceec
		$et {\color{red}\mathbf{s}} ee e e e e e e e e e e e e e e e e e$
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	ecceceesecececececeesececececececececec
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeccetsecceecceecceecceecceecceeccee
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeecceeeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attacentagatagatagaan matattataa atacenttitti gaataa aasaa mta aasatatti aasaa attacenga
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtat
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaacagaaacccaaagagaaacagaaacagaaacccaaagagaaacagaaacagaaacccaaagagaaaacagaaacagaaacccaaagagaaaacccaaagagaaaacccaaagagaaacagaaacccaaagagaaaacccaaagagaaacccaaagagaaaacagaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacagaaacagaaacagaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacagaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacagaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaacccaaagagaaaacccaaagaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaacccaaagagaaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacagaaacagaaacccaaagaacccaaagaaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaaaccaaacccaaagaacccaaaacccaaaacccaaaacccaaacccaaaccaacccaaaccaacccaaaccaa
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PE 0.97

cell 5

		000000000000000000000000000000000000000
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
IFE	cen o	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	eeeceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 121111	cen o	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	eeeceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1FEIIIZ	cen 9	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE 1	11 -	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeccceeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4DD 1 .	11.0	666666666666666666666666666666666666666
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaaagagaaacagaaaaatccaaagagaaaacagaaaaatccaagagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaagagaaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaaacccaaagaaaacccaaagagaaaacccaaagaaaacccaaagaaaacaccaaagaaaacccaaagaaaacccaaagaaaaacccaaagaaaaacccaaagaaaacccaaagaaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaacccaaacccaaagaacccaaccca
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc
		aa cac g catact t c c cag g cat t t t c c caa at c g a g a g a a a a c c caa g a g a a a a
		aggetetettea att tagetttga att tgetgt att tt tegtttt geage eg e
		${\tt gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$
		${\tt gcagcgaatggccgtcgagcagccgcaaaatgtcaatttgagcaatggccggaag}$
0DE 4 0	11 -	
$2PE\ 1.9$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeceeeeceeeeceeeeceeeceeeceeeceeeceeec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

ecccepereccepereccepereccepereccepereccepereccepereccepereccepereccepered ecceperate temperate expression and the properties of the proper2PEm2 cell 9 eccepecee eteccepecee eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepe eccepece eccepece eccepece eccepece eccepece eccepe eccepe eccepe eccep2PEd+cell 5 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEd+cell 6 2PEm1d+ cell 8 999999 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm2d+ cell 9 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce

		agagegicgagicaaggeiciciicaaaiiiageiiiigaaiiiigeigiaiiiiiegiiiiigeageegeegeege
1PEe 0.98	cell 7	ececeececeecececececececececececececec
1PEe	cell 8	ececececececececececececececececececec
1PEem1	cell 8	ecceeccecceccecceccecceccecceccecceccec
1PEem2	cell 9	eccececececececececececececececececece
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eccecceccecceccecceccecccccccccccccccc
1PEem2d+	cell 9	ecceccecceccecceccecceccecceccecceccecc
		at cetgggaaaacccgagatgatcetgggaaaacccgacctgggaaaacccgagatcetgggaaaccgagatcetgggaaaacccgagatcetgggaaacccgagatcetgggaaacccgagatcetgggaaacccgagatcetgggaaaccc
6xdlPLZ 5.8	cell 5	eceeeedeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	ecceedececeeceeceeceeceeceeceeceeceeceec
6xdlPLZm1	cell 8	ececede ececeee ececee ececeee ececeee ececeee ececeee ececee ececee ececee ececee e
6xdlPLZm2	cell 9	ececede ececeee ececee ececee ececee ececee ececee ececeee ececee ec
6xdlPLZd+	cell 5	ecceedececeeceeceeceeceeceeceeceeceeceec
6xdlPLZd+	cell 6	eceecede eceeceeceeceeceeceeceeceeceeceeceeceec
6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	cell 9	ee

ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc

agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

aaaaaaaaagatccatatga

6xEtPLZ 0	cell 1	ecceeeeceeets eeceeeeceeeeceeeeceeeeceee
6xEtPLZ	cell 2	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeets ee eeeeeeets ee eeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeets ee eeeeeeets ee eeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeets ee eeeeeeets ee eeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeets ee eeeeeeets ee eeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeets ee eeeeeeets ee eeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee

agetttteetetgeteaaaateaaaatgattaaaacaacagtttgatacgaattttaatteeeetttttgetgeggagteagttaagtgattaatteeetttttgetgeggagteagttaagtgattaagtgattaatteeetttttgetgeggagteagttaagtgattaa

 ${\tt gccaggaatcaacgtcctgcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt}$ ${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$

2216t1t2s4a 2.7	cell 10	eccececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$ecceeeccee \dagger ecceeecceecceecceecceecceec$
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
20401410 4	11 40	

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ecceeeeeets ecceeeeeeeeeeeeeeeeeeeeeeeee
etsee e escee e e e e e e e e e e e e e e
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999999999999999999999999999999999999999

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eecceeecceeecceeecceeecceeecceeecceeecceeeccee
ecceeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
ecceeeecets ecceeeeceeeeceeeeceeeeceeeec
ets ee
ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
ecceecceccecceccecceccccccccccccccccccc

rho2216t1t2s4acell 13

rho2216t1t2s4am1 cell 8

rho2216t1t2s4am2 cell 9

rho2216t1t2s4ad+cell 10

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eccececececececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
rho2216t1t2s4am1d +	cell 8	ecceececececececececececececececececec
		eccececececececececececececececececece
		ecceccecceccecceccecceccccccccccccccc
		ececececetsecececececececececececececece
		etseeceseecedeeceeceeceeceeceeceeceeceeceeceecee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eceeecesececececececececececececececece
		000000000000000000000000000000000000000
		0.0000000000000000000000000000000000000
		ececececetscecececececececececececececec
		etseeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		attecenteratecaa antatteteaa teecettittaa teaacaantaa aatatteaa aaattreeracaatteecetertat
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtat
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgc
$1PE \ 0.97$	cell 5	eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eceeeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
1PEm1	cell 8	000000000000000000000000000000000000000
		ececececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	000000000000000000000000000000000000000
	0011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	ecceccecceccecceccecceccecceccecceccecc
11 L/U	COLLO	eccececececececececececececececececece
1DFJ :	coll 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

1PEm1d+	cell 8	eccececececececececececececececececece
1PEm2d+	cell 9	eccececececececececececececececececece
		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc}\\$
		$cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc\\ aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctgtattccccgtccgcatccc\\ aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca\\ aggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatcccccgccgcct\\ \\$
		$\frac{g}{g} acgt catacctg ccg atgccg cag ctt ccg ccattg agtgggag cgggatgg caag acga ag a$
2PE 1.9	cell 5	eccececececececececececececececececece
2PE	cell 6	eccececececececececececececececececece
2PEm1	cell 8	ecceeccecceccecceccecccccccccccccccccc
2PEm2	cell 9	eccececececececececececececececececece
2PEd+	cell 5	ecceccecceccecceccecccccccccccccccccccc

		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		099999999999999999999999999999999999999
		099999999999999999999999999999999999999
		eccecececececececececececececececececece
		ecceccecceccecceccecccccccccccccccccccc
		eeeeeeeeeteeeeeteeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 Emila	con c	ec
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		eccecceccettecceccecceccecceccecceccecce
		ec
2PEm2d+	cell 9	ecccccccccccccccccccccccccccccccccccccc
ZI EIIIZu+	cen <i>y</i>	ec
		666666666666666666666666666666666666666
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececececetecececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaaagagaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacagaaaaaatccaagagaaaacccaaagagaaaacccaaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacagaaaaacccaaagagaaacccaaagagaaacccaaagagaaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaaacccaaagagaaacccaaagagaaaacccaaagagaaacccaaagagaaaacccaaagagaaaacccaaagaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaacccaaagagaaaacccaaagaacccaaagaacccaaagaacccaaagaacccaaaagaacccaaagaacccaaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaagaacccaaacccaaagaacccaaagaacccaaacccaaaccaacccaaacccaa
		agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 0.98	cell 7	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceecceecceecceecceec
1PEem1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4DE :	11	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Leu+	cen o	eccecceccecceccecceccecceccecccccccccc
		ec
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeetseceecceeecceeecceeecceecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceecececececececececececececececece
		atcctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccg
		atectgggaaaaceega
6xdlPLZ 5.8	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	ecceeedecceeeceeeceeeceedeceeceeseecedeceeceeceeceeceedeceeceeceeceeceece
ondir BB	0011 0	eeeteeedeeeeee
6xdlPLZm1	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	ececeedecececececececececececececececec
6xdlPLZd+	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	ee
a 11D1 7 01 .	11.0	eeeteeedeeeeeeee
6xdlPLZm2d+	cell 9	ececeedececececececececedecececedecececedec
		ecetecedececece
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatgag
6xEtPLZ 0	cell 1	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeceeeeeeeets eeceeeets eeceeeeeeeeeeeee
6xEtPLZd+	cell 2	eeceeeeeeets eeceeeets eeceeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeee

6xEtPLZm2d+

cell 9

		caagtggcgggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacgcgttgttttgggggaaattcccgggc
		$gccaggaatcaacgtcctgtctg\\ cg\\ cg\\ cg\\ cacg\\ ccacg\\ ccacg\\ ccaccg\\ ccactcg\\ gttacctg\\ aattcg\\ ag\\ ctg\\ ag\\ tg\\ tg\\ cd\\ act\\ cacg\\ ccacg\\ ccactcg\\ gttacctg\\ aattcg\\ ag\\ ctg\\ ag\\ tg\\ tg\\ cd\\ ag\\ ctg\\ ag\\ tg\\ tg\\ cd\\ ag\\ cd\\ $
		${\tt gtggctgagattgctttggtacggtgaccttgccagtgccagtgggtccatgtcc}$
rho2216t1t2s4a 2.7	cell 10	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ececececetecececececececececececececece
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
rho2216t1t2s4a	cell 13	ecceccecceccecceccecccccccccccccccccccc
11102210010254a	Cen 19	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ecececceetecececececececececececececece
		eteceeeceedeeceeeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 0010110 1 1	11. 0	666666666666666666666666666666666666666
rho2216t1t2s4am1	cell 8	000000000000000000000000000000000000000
		ececececececececececececececececececec
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeseeeedeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eceecesecececececececececececececececec
		ecceecceecceecceecceecceecceecceecceec
		ecceccecceccecceccecceccccccccccccccc
		$ecceecece t \\ \mathbf{s} ecceececececececececececececececececec$
		etsee ee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	ececececececececececececececececececec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		eceeeeceeeteeeeceeeceeeceeeceeeceeeceee
		eteeeceeecedeceeceeceeceeceeceeceeceeceece
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeececeeececeececeececeecececeececeecec
rho2216t1t2s4ad+	cell 13	000000000000000000000000000000000000000
		eceeeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		000000000000000000000000000000000000000
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ec
11102210010254am1uT	CC11 O	
		999999999999999999999999999999999999999
		eccececececececececececececececececece
		Control of the contro

caagtgg cgg cgg aattteet gattege gatgee at geg caetege caagett gatge ggg aaattee cgg geg aattee cgg geg gatge gatgee gatge gatg

${\it rho}2216t1t2s4am2d+$	cell 9	etseeceseedececececececececececececececece
		atteccgtcgatccaaagatatteteaateccetttttgaatcaacaagtaaaatattteaaaaattgeegacaatteccetegtattecgteegeateccaacaegeataetteccaggeatttteccaaategagagaaaaeccaaagaataacccaagagaaacagaaaegaaae
		cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg
1PE 0.97	cell 5	eee eee eee eee eee ee ee ee ee ee ee e
1PE	cell 6	ecceeccecceccecceccecccccccccccccccccc
1PEm1	cell 8	ecceeccecceccecceccecccccccccccccccccc
1PEm2	cell 9	eccecceccecceccecceccecccccccccccccccc
1PEd+	cell 5	eccecceccecceccecceccecccccccccccccccc
1PEd+	cell 6	eccecceccecceccecceccecceccccccccccccc
1PEm1d+	cell 8	eccececececececececececececececececece
1PEm2d+	cell 9	eccecceccecceccecceccecccccccccccccccc
		atteccegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtatteegteegeateeegaacaegeataetteeeageatttteeeaaategagagaaaaeeeaaagaataaeeeaagagaaaaeagaaaegaaaeeeaagagaaaaeeeaagagaaaaeeeaagagaaaaeeeaagagaaaaeeeaagagaaaeegaaaeeeaagagaaaaeeeaagagaaaeeeaagagaaaeeeaagagaaaeeeaagagaaaeeeaagagaaaeeeaagaaaeeeaagagaaaeeeaagagaaaeeeaagaaaeeeaagagaaaaeeeaagagaaaaeeeaagagaaaaeeeaagagaaaaeeeaagagaaaaeeeaagagaaaaeeeaagagaaaaeeeaagaaaeeeaagaaaeeeaagaaaaeeeaagaaaaeeeaagaaaaeeeaagaaaaeeeaagaaaaeeeaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaagaaaaeeeaaaagaaaaeeeaaaagaaaaeeeaaaagaaaaeeeaaaaaeeeaaagaaaaeeeaaaagaaaaeeeaaaaaa

aa cac g cata et te ce ag g cat tt tt ce caa at c g ag ag aa aa ce caa ag aa aa aa ce caa g ag aa aa aa ce cag ag aa aa ce caa g ag aa caa g aa aa ce caa g ag aa caa g aa aa ce caa g ag aa caa g aa c

 ${\bf g} acgt catacctg {\bf c} cgat {\bf g} ccg cag {\bf c} tt {\bf c} gccatt {\bf g} agt {\bf g} gga {\bf g} gg {\bf g} ag {\bf g} gga {\bf g} gga$ g cag c g a at g g c c g t c g a g cag c c g caa a at g t caat t t g a g caat g g c c g a a g

$2PE\ 1.9$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccecceccccccccccccc
		ecceececececececececececececececececec
		ecceeeccececcececcceccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecceccecceccecccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 2	con c	eeceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2F E1112	cen 9	000000000000000000000000000000000000000
		eeceeeceeeceeeceeceeceeceeceeceeceeceec
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
ODE 1	11 =	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeceeeeceeeeceeeceeeceeeceeeceeeceeece
		ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecccccccccccccccccccccc
		ecceeeeceeeeceeeeceeeeceeeeceeeeceeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

2PEm2d+ cell 9

 $attcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaaacagaaaaatcc\\ agagcgtcgagtcaaggetctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$

$1PEe\ 0.98$	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

at cct gggaaa acccgagat gat cct gggaaa acccgagat cct gggaaa acccgagat

e11D1 7 F 0	cell 5	1
6xdlPLZ 5.8	cen 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	ecetecedecececececececececececececececec
OXUII LZ	cen o	eeteedeeeeeeeeeeee
6xdlPLZm1	cell 8	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
onan Bami	cen c	eeeteeedeeeeeee
6xdlPLZm2	cell 9	eceeeedeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	eceeee e deceeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZm2d+	cell 9	ee ee ee ede ee ee ee ee ee ee ee ee ee
		eeeteeedeeeeeeee
		aaaaaaaaaaaaaatccatatgagatccatatatgagatccatatgagatccatatgagatccatatatgagatccatatgagatccatat
CE4DL7 0	11 1	
6xEtPLZ 0 $6xEtPLZ$	cell 1 cell 2	eeeeeeeeetseeeeetseeeeetseeeeeeeeeeeeee
6xEtPLZm1		eeeeeeeeetseeeeetseeeeetseeeeeeeeeeeeee
	cell 8	eeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 2	ecececececetseccecectseccececececececece
6xEtPLZm1d+	cell 8	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	ececececeecets ececececececececececececececececececec
		agetttteetetgeteaaaateaaaatgattaaaacaacagtttgatacgaattttaatteeeetttttgetgeggagteagttaagtgalle agettaagtgalle agettaagtgalle agettaagtgalle agettaagtgalle agettaagtgalle agettaagtgalle aget aget aget aget aget aget aget age
		gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctg
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacatcgcgaaacatttggc
		ttgcggaagacaagtgcggetgcaacaaaaagtcgcgaaaccgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgtgcggcgggaaaaaggacaaccttgctgcgaaaaaggacaaccttgctgcggaaaaaaggacaaccttgctgcgaaaaaaggacaaccttgctgcggaaaaaaaggacaaccttgctgcgaaaaaaaggacaaccttgctgcgaaaaaaaa
		ca agtgg cgg gggaa atttcctg attcgcg atgccat gagg cactcgcca agcttg acgcgttg ttttgggggaa attcccgg gcg agggaa attcccg gg gggaa attcccg gg gg agggaa attcccg gg gg agg agg agg agg agg agg agg a
		$gccagga at caacgtcct gtcct g {\color{red} cgt} gggaaaa g {\color{red} cccacgtcct} acccacgcccact cggttacct gaattcgagctcgagt gtttt$
		${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$
1 00400000		
$rho2216t1t2s4a\ 2.7$	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		ee
		et ee e

		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etsecees ecee de ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceeceseccecececececeseccecececececece
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececeetseccececececececececececececec
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecccececccececccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11102210010201001	0011 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececceccecceccecceccecccccccccccccccccc
		ecceccecet ecceccecceccecceccecceccecceccecceccecc
		eteccececedeccececececececececececececec
		ecceccecceccecceccecceccecceccecceccecc
wlo a 2016+1+2a 4a d +	0.11 19	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	000000000000000000000000000000000000000
		666666666666666666666666666666666666666
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececeteccececececececececececececece
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		$ecceeceets \\ ecceeceeceeceeceeceeceeceeceeceeceeceec$
		etsee e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeec
rho2216t1t2s4am2d +	cell 9	$eecceee \underline{e}seceee eeceeee \underline{e}seceee \underline{e}eeceee \underline{e}eeee \underline{e}eeeeeeeeeeeeeeeeeeeeeee$
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		$eccecece et {\color{red} s} eccececececececececececececececececece$
		ets ecceeeeede ecceeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacagagacgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PE 0.97	cell 5	ecceececececececececececececececececec
1PE	cell 6	eccececececececececececececececececece
1PEm1	cell 8	eccecceccecceccecceccecceccecccccccccc
1PEm2	cell 9	eccecceccecceccecceccecceccecccccccccc
1PEd+	cell 5	eccececececececececececececececececece
1PEd+	cell 6	eccecceccecceccecceccecceccccccccccccc
1PEm1d+	cell 8	eecceeccececececececececececececececec
1PEm2d+	cell 9	eccececcececcececceccccccccccccccccccc
		atteccegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegaeaatteeetegtatteeetegteeteegateeeteegateeteeaategagagaaaaeeeaaagaataaeeeaagagaaaaateeeteegagagaaaaeeeaaagaaaaaeeeaagagaaaaateeeteegagagaaaaeeeaaagaaaaaeeeaagagaaaaaeeeaaagaaaaaeeeaaagaaaaaeeeaaagaaaaaeeeaaagaaaaaa
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca
2PE 1.9	cell 5	ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccaagagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcctgcgctcgagaaatccccgcgcgctgcgctgcgctcgagaaaatcccagaggagagaga

0DD 4	11 0	deceded decede
2PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eccecececececececececececececececececece
		ecceececeececeecececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	000000000000000000000000000000000000000
21 23112	con o	eececececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccecceccecceccecceccccccccccccccccccc
		eccecececececececececececececececececece
		ecceccecceccecceccecceccccccccccccccccc
		ecceececeecececececececececececececece
add 1	11 -	666666666666666666666666666666666666666
2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eccececececececececececececececececece
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
		$ecceeecceee \dagger ecceeecceeecceeecceeeccee$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	000000000000000000000000000000000000000
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		0.0000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccecececececececececececececececececec
		ecceecceccecceccecceccecccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
0DE04+	11 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ecceccecceccecceccecccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeeceeceeceeceeceeceecee
		ecceecceccecceccecccccccccccccccccccccc

		agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 0.98	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEe	cell 8	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEem1	cell 8	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	eccececececececececececececececececece
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	ecceececececececececececececececececec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
1PEed+	cell 8	099999999999999999999999999999999999999
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Lemiu	cen o	eecececececececececececetsececececececec
		ecceccecceccecceccecceccecceccecceccecc
1PEem2d+	cell 9	ecceccecceccecceccecceccecceccecceccecc
11 Lemzu+	cen 9	eccececececececececececececececececece
		ec
		at cct gggaaaacccg ag at gat cct gggaaaacccg acct gggaaaacccg ag at cct gggaaaaacccg ag at cct gggaaaacccg ag at cct gggaaacccg ag at cct g
		atcctgggaaaacccga
6xdlPLZ 5.8	cell 5	ee
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	ecceee deceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	eceeeedeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	ecceeedeceeeceeeceeeceeedeceeeceeeceeec
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	ecceeedecceeeceeeceeedecceeeceeedecceeeceeedecceeeceedecceeeceedecceeeceeedecceeecee
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	eccecedeccecececececececececececececece
January 2011114	0011 0	eeeteeedeeeeeee
6xdlPLZm2d+	cell 9	eccecedeccecececececececececececececece
	0011	

 $attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaaaaacccaagaaaaaatcc\\$

eeeteeedeeeeeeee

aaaaaaaaagatccatatgagatccatatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccat

6xEtPLZ 0	cell 1	eeeeeeeeeets eeeeeeeets eeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee