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

rhomel 2.9	cell 10	ecceececececececececececececececececec
rhomel	cell 13	ecceccecceccecceccecceccecceccecccccccc
rhomelm1	cell 8	ececececececececececececececececececec
rhomelm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rhomeld+	cell 10	ececececececececececececececececececec
${\rm rhomeld} +$	cell 13	ececececececececececececececececececec
rhomelm1d+	cell 8	eccececececececececececececececececece
${ m rhomelm2d}+$	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaacacacgcacgcacacggcgatagaaattaacacgtagtttagcggaactttgtggcaagtgcaacaaaagtcgaagtcgcggacgattcaaatgaaaatctgcaatgctgcggaaggacaacccacctgtctatgagtgtgcgagtgtgcgagtgtgtgt
rhovir 2	cell 5	eccececececececececececececececececece

rhovir	cell 6	ececececececececececececececececececec
rhovirm1	cell 8	eccececececececececececececececececece
rhovirm2	cell 9	eccececececececececececececececececece
rhovird+	cell 5	eccecececececedececedececececececececec
rhovird+	cell 6	eccececececececececececececececececece
rhovirm1d+	cell 8	ecceccecceccecceccecceccecceccecceccecc
rhovirm2d+	cell 9	eeecececececececececececececececececec
		$tattgaaagtgccgaagttagcgggcatttcacttacctgcgtgggaaaatcgactaatctgcgaccgccccgaggagtcagtttttgtt\\tttagagcggtaaaggacaggtaacgggccacatgtctggccggaaattccccgttgacccctgaccccgtgtccttatgacgaattcgt\\cacttggcgtgagcacacctggatttcccaccgcttagccagcggaaattccaaaacacctccggcccacatggcctcaaaattgttata\\tgctctgctacgatgaagcagaagcagaagcagcagtgttttattggcggaagcatccgccaaattgcacccaatctgcagtttgaagtg\\ctcaaaacccccaccgctcccctgtgaatttccgccggccg$
vnmel 3	cell 5	eccececececececececececececececececece
vnmel	cell 6	ecceccecceccecccccccccccccccccccccccccc

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		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1	cell 8	ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeccececcececcececcececcecececececece
vnmelm2	cell 9	ecceececececececececececececececececec
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmeld+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceecceecceecceecceecceecceecceec
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeec
vnmeld+	cell 6	ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
•		ecceeecceeecceeecceeecceeecceteecceeeccedeecceeecceeecceeecceecc
		ecceeecceeecceeecdecceeecdecceeecceeeccdeceecceeecceeecceeecceecceeecceeecceeeccee
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		ecceccccccccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1d+	cell 8	000000000000000000000000000000000000000
,,		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
VIIII1011111201	con o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceccecceccecceccecceccecceccecceccecc
		CONTROL CONTRO

vnvir 3	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeccecceccecceccccccccccccccccccccc
		eecceeccecceccecceccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvir	cell 8	eecceeccecceccecceccccccccccccccccccccc
		ecceecececececececececececececececececec
		ecceecececececececececececececececececec
		eeccecceccecceccecccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm1	cell 8	eecceeccecceccecceccccccccccccccccccccc
		ecceeecceeecceeecceeecceeecceeecceeecceeetseecceeedecceeeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeee
vnvird+	cell 7	eecceeecceeecceeecceeecceeecceeecceee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvird+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		ee
		eeceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvirm1d+	cell 8	eeceeeeceeeeceeeeceeeeceeeceeeceeeceee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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m vnvirm2d+	cell 9	eccececececececececececececececececece
		a atgggaaaacatgcggtgggaaaaacacatcgcgaaacatttggcgcaacttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacaacatcgcgaaaacatttggcgcaacatgggaagacacatggggaaacacttgctggggaagagggaagggcaagtggcgggaatttcctgattcgcgatgccatgaggaactcgcatatgttgagcacatgttttgggggaaattcccgggcgacgggcaggaactcaacgtcctgtcctgcgtgggaaaagccaaaggcaaaagccaaaggaaataacgtcctgtcctgcgtgggaaaagccaaaggcaaaagccaaaggaaataacgtcctgtcctgcggggaaaagccaaaggaaaagccaaaggaaaaagccaaagaaaagcaaaagaaaagcaaaagaaaaaa
		ccacgtcctacccacgcccactcggttac
rhomel 3.1	cell 10	eccececececececececececececececececece
rhomel	cell 13	ecceeccecceccecceccecccccccccccccccccc
rhomelm1	cell 8	ecceeccecceccecceccecccccccccccccccccc
rhomelm2	cell 9	eccececececececececececececececececece
rhomeld+	cell 10	eccececececececececececececececececece
rhomeld+	cell 13	eccececececececececececececececececece
rhomelm1d+	cell 8	eccececececececececececececececececece
rhomelm2d+	cell 9	eccececececececececececececececececece

rhovir 2.1	cell 5	eeccecceccecceccccccccccccccccccccccccc
		ecceccecceccecceccecccccccccccccccccccc
		ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececedeccedeccecececececececec
rhovir	cell 6	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeeccee
rhovirm1	cell 8	eececececececececececececececececececece
1110 / 111111	0011 0	epecepecepecepecepecepecepecepecepecepe
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eccececececedeccedeccececececececececec
rhovirm2	cell 9	
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eccececececedeccedeccececececececececec
rhovird+	cell 5	eececececececececececececececececececece
,		eececececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececedeccedeccececececececececec
rhovird+	cell 6	ecceeecceeecceeecceeecceeecceeecceeec
		ecceccecceccecceccecccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececedececedecececececececececec
rhovirm1d+	cell 8	ecceeecceeecceeecceeecceeecceeecceeec
		eccececcececcecceccecccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeeccee
rhovirm2d+	cell 9	ecceeecceeecceeecceeecceeecceeecceeec
·		ecceeecceeecceeecceeecceeecceecceeccee
		ecceeeecceeeecceeecceeecceeecceeeccee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeeccee

1.0	11 =	
vnmel 3	cell 5	eeceeeeceeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmel	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmelm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm2	cell 9	ecceeecceeecceeecceeecceeecceeecceeec
		ecceeecceeecceeecceeecceeecceecceeccee
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		ecceccecceccecceccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmeld+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
,		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccececcecedecceccecececcececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmeld+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
viiiicia	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
rmmolm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1d+	cen 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmelm2d+	cell 9	eeceeeceeeceeeceeeceeeceeeceeeceeecee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		eececeececeececececececececececececece
4.1.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvirm2d+	cell 9	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		agettttcctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattcccctttttgctgcggagtcagttaagtgatt
		gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgcagatcgcatttgcatctgcatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgcatttgcatctgcatttgcatctgcatttgc
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaaacatgcggtgggaaaaacacacac
		ttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcgcgggaaaaaaggacaccttgctgtgcgcgggaaaaaaaggacaccttgctgtgcgcggaaaaaaaggacaccttgctgtgcgcggaaaaaaaa
		caagtgg cgg gggaattteetgattegegatgeeatgaggeactegeeaagettgaegegttgttttgggggaaatteeegggegatgegatgegatgegatgeeggggaatteeegggegatgega
		gccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt
		${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$
rho2216t1t2s4a 3.1	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
111022100102540 0.1	cen io	eececececececececececececececececececece
		eececececececececececececececececececece
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		ecceccecceccecceccecceccecceccccccccccc
rho2216t1t2s4a	cell 13	ecceccecceccecceccecceccecceccecceccecc
11102210010254a	Cell 19	
		ecceccecceccecceccecccccccccccccccccc
		ecceecceetecceecceecceecceecceecceeccee
		ecceccecceccecceccecceccecceccccccccccc
mb = 221 G+1+2 = 4 = m 1	0.011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		ecceecceccecceccecceccccccccccccccccccc
		eccececceetseccececcecceccecccccccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
1 00101110 1 0	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

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		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	-1	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm ad}+$	cell 13	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecee et ecceeceeceeceeceeceeceeceeceeceeceeceec
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceets ecceeeceeceeceeceeceeceeceeceeceeceecee
		etsee e esee e e e e e e e e e e e e e e
		ecceecceccecceccecceccccccccccccccccccc
		ecceecceccecceccecceccccccccccccccccccc
rho2216t1t2s4am2d+	cell 9	ecceecescecceccecceccecceccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		eeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeceeceeceeceeceeceedeeceeceeceec
		ecceccecceccecceccecceccecceccecceccecc
		$attecce \\ tegateca \\ aagatat \\ tetea \\ attecce \\ tttt \\ gaatea \\ aca \\ agta \\ aaatat \\ tte \\ aaa \\ aattecce \\ tegate \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaa \\ ttte \\ aaaa \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaa \\ ttte \\ aaaa \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaaa \\ ttte \\ aaaaa \\ aaaa \\ ttte \\ aaaaa \\ ttte \\ aaaaa \\ aaaaa \\ ttte \\ aaaaa \\ ttte \\ aaaaa \\ ttte \\ aaaaa \\ aaaaa \\ ttte \\ aaaaa \\ aaaaa \\ ttte \\ aaaaa \\ aaaaaa$
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaacagaaacagaaacccaaagagaaacagaacaac
		${\bf c} {\bf a} {\bf g} {\bf a} {\bf g} {\bf c} {\bf t} {\bf c} {\bf a} {\bf g} {\bf g} {\bf c} {\bf t} {\bf c} {\bf t} {\bf t} {\bf t} {\bf d} {\bf t} {\bf t} {\bf t} {\bf g} {\bf c} {\bf t} {\bf t$
1PE 1	cell 5	
IFE I	cen o	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceececececececececececetsecececececec
1DE	11 <i>C</i>	666666666666666666666666666666666666666
1PE	cell 6	eecceeecceeecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		eecceecececececececececececetscecececece
		eeccecceccecceccecceccecceccecceccccccc

1PEm1	cell 8	ececeecececececececececececececececece
		eceeececeececececececececececececececece
1PEm2	cell 9	ecceeecceeecceeecceeecceeecceeecceeec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eccecceccecceccecceccccccccccccccccccc
II Lu	cen o	eeeeeeeeeeeeeeeeeetseedeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE14+	11 0	ec
1PEm1d+	cell 8	ececececececececececececececececececec
		ecceccecceccecceccecceccecceccccccccccc
1PEm2d+	cell 9	ec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatatteteaateeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtatteeegteegeateee aacaegeataetteeeaggeatttteeeaaategagagaaaaaceeaaagaataaceeaaggagaaaateagaggegtegagtea aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeegeegeet
		gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg
2PE 2	cell 5	
2F E 2	cen 5	ececececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		eceeeececeeteceeececeeececeecececececec
2PE	cell 6	ececececececececececececececececececec
21 12	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		000000000000000000000000000000000000000
2PEm1	cell 8	eccecececececececececececececececececece
	5011 0	

eccesere eccesered in the contract of the coecceperate temperate tem2PEm2 cell 9 eccepecee eteccepecee eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepe eccepece eccepe eccepece eccepece eccepe eccepe eccepe eccepe eccepe ec2PEd+cell 5 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEd+cell 6 2PEm1d+ cell 8 999999 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm2d+ cell 9

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6xdlPLZm2

6xdlPLZd+

cell 9

cell 5

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6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ececeedecececececececececececececececec
6xdlPLZm2d+	cell 9	eccee edece eccee ecce
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
$6 \mathrm{xEtPLZ} \ 0 \ 6 \mathrm{xEtPLZ} \ 6 \mathrm{xEtPLZ} \ 1$	cell 1 cell 2 cell 8	eccecececetseccecetseccecececececececece
6xEtPLZm2 6xEtPLZd+	cell 9 cell 1	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeee
$6xEtPLZd+ \\ 6xEtPLZm1d+ \\ 6xEtPLZm2d+$	cell 2 cell 8 cell 9	ecceecceceetseccecetseccecececcecceccecccccccc
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		$gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctg\\ ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacac$
		caagtggcgggaattteetgattegcgatgeeatgaggeactegeeaagettgaegegttgttttgggggaaatteeegggegageeaggaateaaegteetgteetgegtgggaaaageeaegteetaeeeaegteetaeetggttaeetgagttgttttggtaeggtggetgaeettgeeagtgeeagtggteeatgteetgeeatgteetgeeatgteetgeeagtgeeatgteetgeeat
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rho2216t1t2s4am1	cell 8	ecceecceccecceccecceccccccccccccccccc
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		etseeeeseeedeeceeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4am2	cell 9	ecccecesecccccccccccccccccccccccccccccc
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rho2216t1t2s4ad +	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4ad+	cell 13	ecceececececececececececececececececec
		ecceccecceccecceccecceccccccccccccccc
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rho2216t1t2s4am1d+	cell 8	eecceeecceecceeccececcecceccecccecccec
		eccceccccccccccccccccccccccccccccccccc
		000000000000000000000000000000000000000
		eccceecectseccceccccccccccccccccccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
rho2216t1t2s4am2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11102210t1t284a1112u+	cen 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceccececceccecceccecccccccccccccccc
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		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 1	cell 5	000000000000000000000000000000000000000
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		ecceecceccecceccecceccecceccecccecccccc

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	0011 0	ecceeecceeecceecceectseecceetseecceeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	000000000000000000000000000000000000000
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
1PEm2	cell 9	ecceececececececececececececececececec
		ecceeecceeecceeecceeecceeetseecceeeccee
		ecceececececececececececececececececec
1PEd+	cell 5	ecceececececececececececececececececec
		ecceeecceeecceeecceeecceeetseecceeeccee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
1PEd+	cell 6	ecceeeecceeecceeecceeecceeecceeecceee
		ecceeecceeecceeecceeecceeetseecceeeccee
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1PEm1d+	cell 8	eccecececececececececececececececececece
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1PEm2d+	cell 9	ecceececececececececececececececececec
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2PE 2	cell 5	ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccaggcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcctgcgctcgagaaatccagagagag
2PE 2	cell 5	ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacacgaaaatcccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaatcgagagaaaacccaaagaataacccaagagaaaaccgaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccaggcgcgctgagccgagcgag
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacccaagagaaaatccagagcgtcgagtcaagcctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccggcgctgcgctgagccggagcggagcgggggggg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccaagagctcgatcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaaacagcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtcaagcctctttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatccaagagaaaatccaggcgcgctgagtcaagcgtcgagtcaatcctgccgatgccgagctcgccattgagtgggagcgggatggcaagacaagcgagggagg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattccccgtccgcatccaacaggcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatccaagagaaaatccagagcggcgggaggaggaggagggggggg
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2PE 2 2PE	cell 5	ccgtccgcatcccaacacgcatacttcccagcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagatcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagataattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgcttgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgccttgagcggaaggcggaatggccgaagacgaaggcgggaggggagggggggg
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2PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecccecccccccccccccccccccccccccccccccccc
		$eccececee \dagger eccecececececececececececece$
		0.0000000000000000000000000000000000000
2PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2FEu+	cen 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		$eecceeeccee \dagger eecceeecceecceecceecceecce$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeeeteeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceee
2PEm1d+	cell 8	eecceeecceeecceecceecceecceecceecceecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeeceeeceeeceeeceeeceeeceee
2PEm2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
•		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee \\ cegteeegeateeeaacaegeataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaagagaaacagaaaaatee \\ agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$

1PEe 1	cell 7	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeeeceeeeceeeeceeeceeeceeeceeeceee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eecceeecceecceecceecceecceecceecceecce
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccececececececececececececececececec
1PEem1	cell 8	eecceeecceecceecceecceecceecceecceecce
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccc
1PEem2	cell 9	eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcg
		atcctgggaaaacccga
6xdlPLZ 6.1	cell 5	ececeedececececececececedececececedec
oxuii LZ 0.1	CCII 5	eeeteeedeeeeeee
6xdlPLZ	cell 6	eccecedeccececedeccecedeccecedeccecedeccecedeccececedeccececedeccececedeccececedeccececedeccececedeccececedeccececedeccececece
OAGH LL	CCII U	eeeteeedeeeeeee
6xdlPLZm1	cell 8	eccecedeccecececececececececececececece
OAGH LEHH	CEH O	eeeteedeeeeeeee
		ccc/cccdcccccc

6xdlPLZm2	cell 9	eceecede eceeceece eceeceece eceeceece eceeceec
6xdlPLZd+	cell 5	ee
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaatcca tatgagatcca tatgagat
6xEtPLZ 0	cell 1	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeeets eeeeeees tseeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeeceeeeeets eeeeeeets eeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtggtegettteaggacteaggaeteateeagategeacgateeetttgeatetgeetteteagaagetgettgaaagaeggeeeettgggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacactegegaaacatttggettgeggaagaeaagtgeggetgeaacaaaaagtegegaaacgaaac
rho2216t1t2s4a 3.1	cell 10	ececececececececececececececececececec
rho2216t1t2s4a	cell 13	eccecceccecceccecceccccccccccccccccccc

rho2216t1t2s4am1	cell 8	eccececececececececececececececececece
		ecceccecceccecceccecccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$ecceecece t_{\bf S} ecceececececececececececececececececec$
		etseeceseecedeeceeceeceeceeceeceeceeceeceeceecee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeececeececeececececececececececececec
rho2216t1t2s4am2	cell 9	$eccecees \\ eccecees $
		ecceccecceccecceccecceccccccccccccccc
		eccececececececececececececececececece
		ececeeeeets ececeeeeeeeeeeeeeeeeeeeeeeee
		etsee ee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eccececececececececececececececececece
		et e e e e e e e e e e e e e e e e e e
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceececececececececececececececececece
		eceeeeceeeteeeeceeeceeeceeeceeeceeeceee
		eteeeceeeceeceeceeceeceeceeceeceeceeceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	000000000000000000000000000000000000000
·		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ececececet.sececececececececececececececececececec
		etseeeeseeeedeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
rho2216t1t2s4am2d+	cell 9	ecceceseccecececececececececececececece
inozziotieza idinza i	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		ecceccecceccecceccecccccccccccccccccccc

cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PE 1	cell 5	000000000000000000000000000000000000000
111 1	cen 5	eccecceccecceccecceccecceccecceccecccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 12	cen o	eeeeeeeeeeeeeeeeetseeeetseeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Liii	ccn o	eeceeeeceeeeceeeceeetseeectseeceeeceeece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceccecceccecceccecceccecceccecceccecc
11 11112	cen o	eeceeeeceeeeceeeceeetseeectseeceeeceeece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Ed	cen o	eeceeeeceeeceeeceeetsceectsceeceeeceeece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 24	con o	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Biiii q	con c	eeeeeeeeeeeeeeeeeeeeetseedeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 21112(1)	con o	eeeeeeeeeeeeeeeeetseeeetseeeeetseeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaaagagaaacagaaaaatccaaagagaaaacccaaagagaaaacccaagagaaaaacccaaagagaaaacccaaagaaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaacccaaagaaacccaaagaaaacccaaagaaacccaaagaaacccaaagaaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaacccaaaacccaaagaacccaaagaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaa
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaaattgccgacaattcccctcgtattccccgtcccgcatccc
		aa cac g catact t c c cag g cat t t t c c caa at c g ag ag aa aa ac c caa ag aa aa ac c caa g ag aa aa ac c caa g ag aa aa ac caa g ag aa aa ac c caa g ag aa ac c caa g ag aa aa ac c caa g ag ac c c caa g ag ac c c c
		aggetetettea att tagettt gaat tt tegt tt tt tegt tt tt geageegeeget geegete gagaaa aate gaaa te ceeegeete gagaaa aate gaaa a
		ra artaata aatraa wa taagaa wattaa waa attaa waa atrawa waxay tagaa ay aa aa ay aga waxay aga aga aga taga waxay
		gacgtcatacctgccgatgccgcagcttccgccattgagtgggagggggatggcaagacaagcgagggagg
		g cag c g a at g g c e g cag c a g cag c a at t t g a g ca at g g c e g a a g g cag c g a g g c g c
2PE 2	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

eccesere eccesered in the contract of the coecceperate temperate construction of the con2PEm1 cell 8 2PEm2 cell 9 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce e^{-2} 2PEd+cell 5 2PEd+cell 6 999999 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm1d+ cell 8

2PEm2d+	cell 9	eccececcececcecceccecccccccccccccccccc
		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc\\ agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$
1PEe 1	cell 7	eecceeceeceeceeceeceeceeceeceeceeceecee
1PEe	cell 8	eccecceccecceccecceccccccccccccccccccc
1PEem1	cell 8	eccececececececececececececececececece
1PEem2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eccececececececececececececececececece
1PEed+	cell 8	eccececececececececececececececececece
1PEem1d+	cell 8	eccececececececececececececececececece
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cct gggaaaacccgagat gat cct gggaaaacccgagat cct gggaaacccgagat cct gggaaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct
6xdlPLZ 6.1	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

eeeteeedeeeeeeeee

6xdlPLZ	cell 6	ee
6xdlPLZm1	cell 8	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2	cell 9	ececeedececececeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 5	ecceedececececeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	eccecedeccececeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell 8	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaagatccatatgagatccatatatgagatcc
		aaaaaaaaagattcatatgagattcatatgagattcatatgagattcatatgagattcatatgagattcatatga
6xEtPLZ 0	cell 1	eeeeeeeeeeeseeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeeceeeeeetseeeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	ecececececetsececececececececececececece
6xEtPLZm2	cell 9	eeeeeeeeetseeeeetseeeeetseeeeeeeeeeeeee
$6xEtPLZd+ \\ 6xEtPLZd+$	cell 1 cell 2	ecceecceceetseccecetseccececceccecccccccc
6xEtPLZm1d+	cell 2	eccececectseccectseccececececececececece
6xEtPLZm2d+	cell 9	eeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeeeee
		agetttteetetgeteaaaateaaaatgattaaaaeaacagtttgataegaattttaatteeeetttttgetgeggagteagttaagtgalleering agettiteetetgeteaaaateaaatgattaaaaeaaeagtttgataegaattttaatteeeetttttgetgeggagteagttaagtgalleering agettiteetetgetgeggagteagttaagtgalleering agettiteetetgetgalleering agettiteetetgetgalleering agettiteetetgetgalleering agettiteetetgetgalleering agettiteetetgalleering ag
		$\tt gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgcttgaaagacgcgcccctgcttgaaagacgcgcccctgcttgaaagacgcgcccctgcttgaaagacgcgcccctgctgaaagacgcgccccctgctgaaagacgcgcccctgctgaaagacgcgccccctgcccctgaaagacgcgccccctgcaaagacgcgccccctgcccctgaaagacgcgccccctgaaagacgcgccccctgaaagacgcgccccctgaaagacgcgccccctgaaaagacgcgccccctgaaaagacgcgccccctgaaaaaaaa$
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaaactgcggtgggaaaaacacacac
		ttgcggaagcaagtgcggctgcaacaaaaagtcgcgaaaccaagaactctgggaagcggaaaaaggacaccttgctgtgcggcggg
		caagtggcgggggggaattteetgattegcgatgccatgaggcaetegceaagettgaegegttgttttgggggaaatteeegggega gecaggaateaaegteetgteetgegtgggaaaageeeaegteetaeeeaegeeeaeteggttaeetgaattegagetegagtgtttt
		gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc
		8,220,24241,420,11,220,4428,4220,241,001,20,442,420,420,420,420,420,420,420,420,
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm a}~2.8$	cell 10	ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eccecceccecceccecceccccccccccccccccccc
111022100102344	CH 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

rho2216t1t2s4am1	cell	ecceccecete eccecceccecceccecceccecceccecccccccc
		tts set et ee ee te et te ts tts tts tts
		${\bf sttsttstttsttssttts} {\bf eee} {\bf eee} {\bf tttstee} {\bf eee} {\bf ettststetstsee} {\bf eettsttettststtttstttttteetstet}$
		t_{stts}
		tsttsttttsttsttsttsttsttsttstddtttttstsstttttststttttstseetteeeeeetttstetetes
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm am}2$	cell	tee et tette e et ttte e et ttts te et statt tts tsatt tts tsatt tts tsatt tts te e e et ttte e e et ttte e e e
		tts set et ee ee te et tts tts tts tts t
		${\bf sttsttstttsstttssee} ee e e ttttstee e e e e tte e e e e ttststetst steet e e e e$
		tsttssttttttstddtttststtttetttteettsttsttetttstetttsteetttttt
		tsttsttttsttsttsttsttsttsttttsddtttttstts
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm ad}+$	cell 10	teeettetteettttettsttsteetststtttststttststttstsee eeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	ecceccecceccecceccecccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
m rho 2216t1t2s4am1d+	cell	eccececececececececececececececececece
		ttsseteteeeeteetttetsttsttsttsttsttsttst
		${\bf sttsttstttsts}{\bf stttssee} ee e e ttttstee e e e e teteststetstsee e e ttstetet tststtttsttttteet stetestsee e e ttststetet e e e e$
		$t_{\tt SttSS} ttttttstddtttststtttetttteettsttsttettstetttststeetttttt$
		t_{stt}
rho2216t1t2s4am2d+	cell	tee et te te et te te te te te te te te
		tts set et ee ee te et te ts tts tts tts
		${\bf sttsttstttsttsstttssee ee etttstee ee ettetststetstsee eettsttetettststtttsttttteetstet}$
		tsttssttttttstddtttststtttetttteettsttsttettstetttstseetttttt
		tsttsttttsttsttsttsttsttsttstddtttttstsstttttstttttstseeettseeetteeeeee
		teeettetteettttsttsteetstttttststtttststttstsee
		occount to contract the traction of the contract to the contra

1PE 0.97	cell 5	ecceececececececececececececececececec
1PE	cell 6	ecceeccecceccecceccecccccccccccccccccc
1PEm1	cell	ee e et tst see e et ttte te e e e t e e t e e t e e t e e t e e e e e e e t t t se t e e t e e e e
		${\bf s} t s t t t t t t t t t t t t t t t t $
1PEm2	cell	${\bf sttttee ets tete tete eetts seette ee eetts sette te ee eetts sttttts sttee} \\ ee e etts tsee eetts tseet et et ee eetts tsete ee eetts st st te ee eetts st st te ee eetts st st te ee eet et st st st st te ee eet et st st st st te ee eet et st st$
		${\bf s} tsttsttttstttettsttttsttteettsttsdtdttstettstttseede tee eet tttee ee ee eet tsttstettett de tee ee eet tst tstettett de tee ee e$
1PEd+	cell 5	$\mathbf{s} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} e$
1PEd+	cell 6	eccececececececececececececececececece
1PEm1d+	cell	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\color{red}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {$
1PEm2d+	cell	${\bf sttttee ets et ets tettee e etts se ette e e e $
		${\color{red}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{t}} {\color{blue}\mathbf{s}} {$
		${\bf sttttee etsetets} {\bf stettee e e etts sette e e e e e tts settete e e e $
		attcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccgaagacaatccaggagtcaggctcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgcatccaaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccgaaaatccccgtcgcgctccaacccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccgaaaaatccagagcgtcgagtcaagcctctttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgctgagcagacgacgagcggcggagggag
2PE 1.9	cell 5	ececececececececececececececececececec
2PE	cell 6	ecceecceecceecceecceecceecceecceecceec

		ee
		eccececececececececececececececececece
		ceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		cececececetecececececececececececececec
2PEm1	cell	$ee e et tst {\bf s} e e e et tst {\bf s} e e e et tst {\bf s} e t e t e e e e e e e e e e e e e e e $
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseedeteeetttteeeteee$
		${\bf sttttee etsetets t stette ee etts seet te ee eetts setette ee eetts sttttts stttdtt sett stee ee eetts seed to see ee ee te ee ee ee ee ee ee ee ee ee e$
		tttetteee ete ete ete ete ete ete ete e
		sts tettee e ett ss e ette e e e ett ss e tete e e e e e e e e e e e e e e e e
2PEm2	cell	stttttttttsttsttstttttssttttttssttttttstttt
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee et tttee ee tee ee ttsttstettett de tee ee ttst tstettett de tee ee ttst tstettet de tee ee ttst tstettet de tee ee ttst tstettet de tee ee ttst tstettett de tee ee ttst tstettet tstettet de tee ee ttst tstettet de tstettet de tee ee ttst tstettet de tstettet de tstettet de tstettet de tstettet de tee ee ttst tstettet de tstettet $
		sttttee etsetetststettee eetts seettee ee ett ssetetetee ee ett ssett ttts stttdtt sett ste ee ee tte see ett ssetetetee ee ett ssettetee ee ett ssetetetee ee e
		tttetteee ete ete ete ete ete ete ete e
		ststetteee etts seetteee eetts setetteee eetts sttttts stttts sttttts sttttt stattetteed titteett stattttt stattetteed titteet statttt stattetteed titteet stattt stattett stattett stattet stattett stattet statte sta
		$\mathbf{s}ttttttttttttsttstttssttttttssttttttsstttt$
2PEd+	cell 5	eccecceccecceccecceccecceccecccccccccc
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		ececececetecececececececececececececece
2PEd+	cell 6	ceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 Du	CCII	ecceccecceccecceccecceccecceccccccccccc
		ecceccecceccecceccecceccecccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell	ee eettstsee eettttette ee eteststst te ee ee ettsttset ett te ee et etts state et etts eett statt dtt te ee ee ettst statt ee ee et ett statt ee ee et et ett statt ee ee ee et ett statt ee ee ee ee et ett statt ee e
		${\bf ststtsttttstttettstttstttsettstttsdtdttstettstttseede tee e et ttte e e tee e e e e e e e$
		sttttee etsetetststettee eetts seettee ee ett ssetetetee ee ett ssetttts stttdtts ett ste ee ee ett ssetetetee ee ett ssetetetee ee ett ssettetee ee ett ssetetetee ee e
		tttetteee ete ete ete ete ete ete ete e
		${\bf ststettee e e t t s s e t t t e e e e e$
2PEm2d+	cell	stttttttttttsttsttttssttttttssttttttsstttt
		${\bf ststtsttttstttettsttttsttteettsttsdtdttstettstttseede tee eet tttee eet ee eet tsttstett de tee eet tst tstettett de tee eet tst tst tst tst tst tst tst ts$
		${\bf sttttee etsetets t stette ee etts sette ee eetts settete ee eetts sttttts stttdtts ettst se ee ett se ee $
		$\frac{27}{tttetteee eteets tststteee eettsttset ett teee etetts st teettse etts tst ttd ttts tst tst ttt st ttett tst tte ett st s$
		·

		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaaacagaaaaatcc\\ agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$
1PEe 0.98	cell 7	ececececececececececececececececececec
1PEe	cell 8	eccececececececececececececececececece
1PEem1	cell	ee e et t st see e et t t t e e e e t e t
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEem2	cell	${\bf sttttee etsetets} {\bf stettee eetts seettee ee etts setettee ee etts sttttts sttee ee ee etts see ee etts stettee etts stettee etts stettee etts stettee ee ee etts stettee ee etts stettee ee etts stettee ee ee ee etts stettee ee $
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEed+	cell 7	stttteetsetetststetteeeettssetteeeettsseteteeeetteeeettssttttsstteee eeeeeeee
1PEed+	cell 8	eceececeececececececececececececececec
1PEem1d+	cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEem2d+	cell	${\bf stttteeets} et et {\bf ststettee} eet {\bf tsse} et te ee eet t {\bf sse} et et ee ee et t {\bf ssttttts} t te ee ee et {\bf tsse} ee et {\bf tsse} et et et ee ee et {\bf tsstttee} ee et {\bf tsstttee} et {\bf tsstttee} et {\bf tsstttee} t {\bf tsstttee} et {\bf tsstttee} $
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf sttttee ets} {\bf tete} {\bf eeetts} {\bf tete} {\bf eeetts} {\bf seette} {\bf eee} {\bf eeetts} {\bf settete} {\bf eee} {\bf eeetts} {\bf sttttts} {\bf sttee} {\bf eee}$
		at cct gggaaaacccgagat gat cct gggaaaacccgagat cct gggaaaacccgag
6xdlPLZ 5.8	cell 5	eeceeedeeceeeceeeceeedeeceeeceedeeceecee
6xdlPLZ	cell 6	eeeteeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell	
		tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttt
6xdlPLZm2	cell	sttttttstttsdddttts
		tttstttsdddtttsttttsstttsdddtttstttttstttstts
		${f stttttttstttsdddttts}$
		00

6xdlPLZd+	cell 5	ececeedecececececececececececececececec
6xdlPLZd+	cell 6	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell	CECTECCTECCT
		tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttt
6xdlPLZm2d+	cell	sttttttstttsdddttts
		tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttt
		${f s}$ tttttttstttsdddttts
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatat
6xEtPLZ 0 6xEtPLZm1 6xEtPLZm2 6xEtPLZd+ 6xEtPLZd+ 6xEtPLZm1d+ 6xEtPLZm2d+	cell 1 cell 2 cell cell cell 1 cell 2 cell 2 cell cell 2	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		agcttttcctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattcccctttttgctgcggagtcagttaagtga gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacggcccctgtc ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacac
rho2216t1t2s4a 3	cell 10	eccecceccecceccecceccecceccccccccccccc
rho2216t1t2s4a	cell 13	eccecceccecceccecceccccccccccccccccccc

rho2216t1t2s4am1	cell	etttteeettssee eettteeetttstee ee ee ettsttsttstttttttee ee ee eets tststtett te tee ee eettsttstee ee ee eets tststeet tee ee e
		tts set et ee ee te et tt stt stt stt st
		${\bf s} ttstt{\bf s} ttt{\bf s} tt{\bf s} see ee et tttste ee ee et te ee et et tst {\bf s} te {\bf t} st ee et tst te te tt {\bf s} ttt tt tt tt tt tt tt tt te {\bf t} st et {\bf s} te {\bf t} st {\bf s} te {\bf t} st {\bf t} tt {\bf t$
		tsttssttttttstddtttststtttetttteettsttsttetttststeetttttt
		tsttsttttsttsttsttsttsttsttsttttsddtttttstts
rho2216t1t2s4am2	cell	tee et te tee et tt tee et tt te te te t
		$tt_{\textbf{s}} sete tee ee teett tt stt stt stt stt st$
		${\bf s} ttstt{\bf s} ttt{\bf s} tt{\bf t} {\bf s} see ee et tttstee ee et te ee et ttst{\bf s} te {\bf t} {\bf s} te ee et tst te te tt{\bf s} tttt{\bf t} tttt tt te et {\bf s} te t{\bf t} t{\bf$
		$t_{\mathbf{S}}tts_{\mathbf{S}}tttttttstddttts_{\mathbf{S}}tttttetttteetts_{\mathbf{S}}ttetts_{\mathbf{S}}teetttttteeteeteeteeteeteetest_{\mathbf{S}}tts_{\mathbf{S}}tst_{\mathbf{S}}t$
		tsttsttttsttstttttsttsttstttttsddtttttstsstttttstttttstsee et tsee et te ee ee et ttt ste te te tsee et te ee ee et ttt ste te te tsee et te ee ee ee et ttt ste te te tsee et tsee ee ee et ttt ste te te tsee ee
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm ad}+$	cell 10	teeettetteetttteettettsttsteetststtttststttststtst
${\it rho} 2216t1t2s4ad +$	cell 13	eccececececececececececececececececece
rho2216t1t2s4am1d+	cell	et ee e
		tts set et ee ee teettets tts tts tts tt
		${\bf s} ttst{\bf t} {\bf t} $
		tsttssttttttstddtttststtttetttteettsttsttettstetttsteetttttt
		tsttsttttsttsttsttsttsttsttttsddtttttstts
rho2216t1t2s4am2d+	cell	tee et te te et tt te et te te te te te
		$tt_{\textbf{s}} sete tee ee teett tt stt stt stt stt st$
		${\bf s} ttstt{\bf s} ttt{\bf s} tt{\bf t} {\bf s} see ee et tttstee ee et te ee et tst{\bf s} te t{\bf s} t{\bf e} ee et tst te te t{\bf s} t{\bf t} ttt{\bf t} ttt{\bf t} tt{\bf t} t{\bf t}$
		tsttssttttttstddtttststtttetttteettsttsttettstetttstseetttttt
		tsttsttttsttsttsttsttststtttsddtttttstsstttttstttttstsee et tsee et te ee ee et ttt ste te te tsee et te ee ee et ttt ste te te tsee et te ee ee ee et ttt ste te te tsee et te ee ee ee et ttt ste te te tsee ee
		teeettetteettttsttsteetststtttststtttststttstsee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcgcgcg

 $1\mathrm{PE}\ 1$

 $\operatorname{cell}\, 5$

1PE	cell 6	ecceeccececcececcececceccecceccccccccc
1PEm1	cell	ee eetts tsee eett tte tee eete ete stst state ee eett state eet et ttsee et et ttsee et tst state et et tsee et et tsee et et tsee et et tsee et et et et eet e
		${\bf s} t s t t t t t t t t t t t t t t t t $
1PEm2	cell	${\bf sttttee et ststettee e et ts sette e e e $
		${\bf ststtsttttstttettsttttsttteettsttsdtdttstettstttseede tee e et ttte e e tee e e e e e e e$
1PEd+	cell 5	stttteetsetetststetteeettssetteeeettsseteteeeettssttttsstteee eeeeeeee
1PEd+	cell 6	ecceecceecceecceecceecceecceecceecceec
1PEm1d+	cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEm2d+	cell	stttteeets teteee ttsse teteee ttsse tetee ee ettss ttttssttee e ee ettsts tetee ee ettststtee ettststtee ettststteet ttsstteet ttsstteet ttsstteet ettsstttdtt
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee et tttee et ee e e e e e e e e $
		${\bf sttttee et s} {\bf tete ee et t s} {\bf sette te ee e et t s} {\bf sette te ee e e e e e e e e e e e e e e$
		attcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaggggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaacacgcatacttccaacacgtatttcccaacagagaaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgcgctcgagaaaatccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgctgagcagacgagcggagggggggg
2PE 2	cell 5	ececececececececececececececececececec
2PE	cell 6	eccecceccecceccecceccccccccccccccccccc

2PEm1	cell	ee
		${\bf s} t s t t s t t t t t t t t t t t t t $
		stttteeetsetetststetteeeettsseetteeeeettsseteteeeeettsstttttsstttdtttsettstseeeet
		tttetteee teetst st st teee ee ett st setetttee ee tetts st teet ett se ett st st tt dt tt st st st tt st tt st tt st tt st tt st s
		thetreeeeteerstststteeeeettstisetetrieeeetettissteetetiseettsistituttiststistitisti
		${\bf s} t s tette e e e etts se ette e e e e ett se e e e $
2PEm2	cell	stttttttttstttttsstttttssttttttsstttttt
		${\color{red}\mathbf{s}} tstt {\color{red}\mathbf{s}} ttt {\color{red}\mathbf{s}} ttt} {\color{red}\mathbf{s}} ttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} tttt {\color{red}\mathbf{s}} $
		${\bf s} ttt tee et {\bf s} tet et e e e et t {\bf s} s e t te e e e e e t t {\bf s} s e t te e e e e e e e e e e e e e e e $
		tttetteee ete ete stst st te ee ee ett st se tett te ee et ett se tett se ett st st tt dt tt st st st tt st s
		${\bf ststettee e e e t t s s e t t e e e e e$
2PEd+	cell 5	${\tt stttttttttsttsttttstttttsttttttsttttttstttt$
21 Eu+		eccecececececececececececececececececece
		eceeeeceeeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		eccececececececececececececececececece
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeceeteeceeeceeeceeceeceeceeceeceec
2PEd+	cell 6	000000000000000000000000000000000000000
ZF EQ+	cen o	eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeececeececececececececececececececece
		ee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	0011	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
ZPEIIIIQ+	cell	ee e et tst see e et tst see e et et tst state e e e e et tst set et tt see e et tst state e et et ts state et et ts e et tst state et et ts e et et ts e et et ts e et et ts e et et e e e e
		${\bf s} {\bf t} {\bf t$
		${\bf s} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf t} {\bf s} {\bf t} {\bf e} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf t} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e$
		tttetteeeeteets t statteeee e et tst stattee e e e et tst statteet e et ts statte e et ts statte e e et tst statte e e et tst statte e e et tst statte e e et e et
		${\bf s} t s tette e e e e t t s s e t te e e e $
		${\bf s} {\bf t} {\bf t$
2PEm2d+	cell	$ee e et t \underline{s} t s e e e e t t t t e e e e e e e t \underline{s} t \underline{s} t t e e e e e e t \underline{t} t \underline{s} t t e e e e e t \underline{t} t \underline{s} t t e e e e t \underline{t} t \underline{t} t \underline{t} t t e e e e e e t \underline{t} \underline{t}$
		${\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} {\bf t} {\bf t} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf t} {\bf t} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf e} {\bf e} {\bf e} {\bf e} {\bf t} {\bf t} {\bf s} {\bf e} {\bf $
		tttetteee ete ete stst state ee ee et st ste et et te ee et et t state et et t state et et st state et et state et et state et et state et et et state et et et state et e
		${\bf s} {\tt tstetteee etts} {\tt setteee eetts} {\tt setetteee eetts} {\tt sttttt} {\tt sttttt} {\tt sttttt} {\tt tttt} {\tt t$
		${\bf stttttttttttttttttttttttttttttttttttt$

		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagaaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 1	cell 7	ecceecceecceecceecceecceecceecceecceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4 D.E.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell	eee ceee eee ee ee ee ee ee ee ee ee ee
11 150111	cen	${\bf ststtsttttstttettstttsttteettsttstddttettstttseddeteeetttteeeteee$
		stttteeetsetetststetteeeettsseetteeeeettsseteteeeeettsstttttsstteee
1PEem2	cell	ee e et st see e et tt st 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 $
		${\bf s} ttttee et {\bf s} tette ee et t {\bf s} se et te ee ee et t {\bf s} se te te ee ee et t {\bf s} st ttt t {\bf s} s t te ee$
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	0.11.0	000000000000000000000000000000000000000
ir Lea+	cell 8	eccecceccecceccecceccecceccecccccccccc
		ecceccecceccecceccecceccecceccccccccccc
1PEem1d+	cell	$ee e et \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{s} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} e$
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf sttttee et set et s} {\bf tettee e e e t t s se et te e e e e e e$
1PEem2d+	cell	ee eetts tsee eett tte tee eete ete stst state ee ee ett state eet ett tsee ett statt dtt tee eet ett statt de tate een een een een een een een een een e
		${\bf s} {\bf t} {\bf t$
		${\bf sttttee etsetets} {\bf tetee e etts seet te e e e e ttsete te e e e $
		at cct gggaaa a acccgagat gat cct gggaaa acccgagat acct gggaaa acccgagat cct gggaaa acccgag
6xdlPLZ 6	cell 5	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	eccee deceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell	eeeteeedeeeeeeee
		tttstttsdddtttsttttsstdtstttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttt
		sttttttstttsdddttts
6xdlPLZm2	cell	
		tttstttsdddtttsttttstttsdddtttstttttt
		sttttttstttsdddttts
6xdlPLZd+	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	eceeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc

6xdlPLZm1d+	cell	
6xdlPLZm2d+	cell	tttstttsdddtttsttttstttsdddtttstttttstttsdddtttstttttt
		tttstttsdddtttsttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttt
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatga
6xEtPLZ 0 6xEtPLZ 6xEtPLZm1 6xEtPLZm2 6xEtPLZd+ 6xEtPLZd+ 6xEtPLZm1d+ 6xEtPLZm2d+	cell 1 cell 2 cell cell cell 1 cell 2 cell 2 cell cell	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtggtegettteaggacteaggaeteateeagategeacgateeetttgeatetgeetteteagaagetgettgaaagaegegeeettgggatgattagtgetaagateettgggeaggatggaaaatgggaaaacatgeggtgggaaaaacacacacacacacactgegaaacatttggettgeggaagacaagtgeggetgeaacaaaaaagtegegaaacgaaac
		$gccaggaatcaacgtcctgtcctg \\ cgtgggaaaag \\ cccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt \\ gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc$
rho2216t1t2s4a 2.7	cell 10	ecceecceccecceccecceccccccccccccccccc
rho2216t1t2s4a	cell 13	ecceccecececececcecceccecceccccccccccc
rho2216t1t2s4am1	cell 8	et eccececed de eccecece eccececece eccecece eccececece eccecececece eccecececece eccecececece eccecececece eccecececececececececececececececececece

		etseeeeseeedeeceeeeeeeeeeeeeeeeeeeeeeeee
		eeccecececececececececececececececececec
		ecceecceccecceccecceccceccccccccccccccc
rho2216t1t2s4am2	cell 9	ecccecesecccccccccccccccccccccccccccccc
		eccececececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
		eecceeecets eecceeececeececeececececececececececec
		ets ee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4ad+	cell 10	ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4ad+	cell 13	eecceeecceecceecceccecceccecccecccccccc
		eccceccccccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		etecececeedeecececececececececececececec
		eccececececececececececececececececece
rho2216t1t2s4am1d+	cell 8	
11102210010284a1111u+	Cell 6	000000000000000000000000000000000000000
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		eccececetseccececececececececececececece
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eccecececececececececececececececececece
rho2216t1t2s4am2d+	cell 9	ecceeceseccecececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		ecceeceets ecceeceeceeceeceeceeceeceeceeceeceeceec
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		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatuuuuuuuuuu
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 0.97	cell 5	ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececetseccececececece
		000000000000000000000000000000000000000
1PEm1	cell 8	ec
11 111111	cen o	•
		eeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeee
		666666666666666666666666666666666666666
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccecceccecceccecceccetsecceccecceccecceccecceccecccccccc
		ec
1PEd+	cell 5	ec
II Eu+	cen o	
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccecceccecceccecceccectsecceccecceccecceccecceccecccccccc
		eecceccccccccccccccccccccccccccccccccc
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Lillia	ccii o	
		eeeeeeeeeeeeeeeeeeeetseeedeeeeeedeeeeeedeeeeedeeeeeeee
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1PEm2d+	cell 9	000000000000000000000000000000000000000
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attecegtegatecaaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtatteeeeteeteeteeteeteeteeteeteeteeteete
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetegtatteeeegteeegeateee
		aa cac g catact t c c cag g cat t t t c caa at c g a g a g a a a a c c caa g a g a a a a
		aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeeegeegeet
		aggic to the authorized the second se
		gacgt catacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg
2PE 1.9	cell 5	eececececececececececececececececececece
21 L 1.0	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecceccecceccecceccecceccecccccccccc
		ecceeecceecceecceecceecceecceecceeccee
		ecccecccccccccccccccccccccccccccccccccc
		ecceecece tecceecececececececececececece
		000000000000000000000000000000000000000
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 1 2	CCH U	
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		ececececectteececececececececececececec
		ec
2PEm1	cell 8	
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		eecceeccececcececcecceccecceccccccccccc
		eecceeccecceccecceccccccccccccccccccccc
		$eecceeeccee \dagger eecceeecceecceecceecceecce$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeceeeceeeceeceeceeceeceeceeceeceec
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2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeceeceeceeceeceeceeceeceeceeceeceec
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		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccceccccccccccccccc
		ecceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccecceccecceccecceccecceccecceccec
2PEd+	cell 6	ecceecceccecceccccccccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		0.0000000000000000000000000000000000000
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2PEm1d+	cell 8	ec
ZI Elliiq	CCII O	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceecceceteccecceccecceccecccccccccccc
ODE 01:	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceecceccecceccecceccecccccccccccccc

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee \\ cegteeegeateeeaacaegeataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaagagaaacagaaaaatee \\ agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$

$1PEe\ 0.98$	cell 7	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	ecceececececececececececececececececec
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		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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1PEem1d+	cell 8	eecceeecceeecceeecceeecceeecceeecceee
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1PEem2d+	cell 9	eecceeecceeecceeecceeecceeecceeecceee
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		at cct gggaaa acccg ag at gat cct gggaaa acccg acct gggaaa acccg ag at cct gggaaa acccg a
		atcctgggaaaacccga
6xdlPLZ 5.8	cell 5	eeeceedeeceeceeceeceeceeceeceeceeceeceec
oxuif LZ 5.8	cen 5	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	ececeedececececeeeeeeeeeeeeeeeeeeeeeee
OXUII LLZ	cen o	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	ececeedecececececececececececececececec
OXUII LZIIII	cen o	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecetecedececee

6xdlPLZm2	cell 9	ecceedecececececececececececececececece
6xdlPLZd+	cell 5	ee
6xdlPLZd+	cell 6	eceeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell 8	ececeedecececececececececececececececec
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeetseeeeetseeeeeeetseeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeetseeeeetseeeeeeetseeeeeeeeeee
6xEtPLZd+	cell 1	ee
6xEtPLZd+	cell 2	ee ee ee ee ee ee e e e e e e e e e e
6xEtPLZm1d+	cell 8	eeeeeeeeeeets eeeeeeeets eeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeets eeeeeeees eeeeeeeeeeeeeeee
		agcttttcctctgctcaaaatcaaatgattaaaacaacagtttgatacgaattttaattccctttttgctgcggagtcagttaagtggtcgtttcaggactcaggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacac
rho2216t1t2s4a 2.7	cell 10	eccecceccecceccecceccccccccccccccccccc
rho2216t1t2s4a	cell 13	eccecceccecceccecceccccccccccccccccccc

rho2216t1t2s4am1	cell 8	eccececececececececececececececececece
		ecceccecceccecceccecccccccccccccccccc
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rho2216t1t2s4am2	cell 9	$eccecees \\ eccecees $
		ecceccecceccecceccecceccccccccccccccc
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		ececeeeeets ececeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eccececececececececececececececececece
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rho2216t1t2s4ad+	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4am1d+	cell 8	000000000000000000000000000000000000000
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		ececececet.sececececececececececececececececececec
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rho2216t1t2s4am2d+	cell 9	ecceceseccecececececececececececececece
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cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PE 0.97	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
1PE	cell 6	ec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	000000000000000000000000000000000000000
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccceeccceccccccccccccccccccccccccccccc
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	ecccecccccccccccccccccccccccccccccccccc
		ecceeecececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	ecccecccccccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaacccaagaacccaagagaacccaagagaacccaagagaacccaagaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetegtatteeeegteeegeateee
		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 gaat tt get gt att tt eg tt tt geageegeegeegetegegetegagaa aa te gaaat ee
		${\color{red} {\bf g} a cgt catacctgccgatgccgcagcttccgccattgagtgggagcggggatggcaagacaagcgagcg$
		gcagcgaatggccgtcgagcagccgcaaaatgtcaatttgagcaatggccggaag
$2PE\ 1.9$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeeeceeeeceeeeceeeeceeeeceeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	ececeecececececececececececececececece

eccesere eccesered in the contract of the coecceperate temperate tem2PEm1 cell 8 eccepecee eteccepecee eccepecee eccepece eccepecee eccepece eccepe eccepe eccepece eccepe eccepe eccepe eccepe eccepe eccepe ec2PEm2 cell 9 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce e^{-2} 2PEd+cell 5 2PEd+cell 6 999999 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm1d+ cell 8

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

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OXGII EZ	cen o	
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	eecee edeeeceeeceeeceeeceeceeceeceeceeceeceece
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	eeceeedeeceeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2d+	cell 9	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		aaaaaaaaaaaaaaatcca tatgagatcca tatgagat
		0.000
6xEtPLZ 0	cell 1	eccecececectseccecetseccecececececececec
6xEtPLZ	cell 2	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeceeeceectseececttseeceectececeeceeceeceeceeceeceeceeceecee
6xEtPLZm2	cell 9	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeee
6xEtPLZd+	cell 1	
		eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeeetseeeeetseeeeeeteeeeeeeeeee
		agettttcctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattcccctttttgctgcggagtcagttaagtgatt
		gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctg
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaaacatgcggtgggaaaaacacacatcgcgaaacatttggcgaaaaacatgcggtgggaaaaacacacatcgcgaaacatttggcgaaaaatgggaaaaacatgcggtgggaaaaacacacatcgcgaaacatttggcgaaaaaatgggaaaaacatgcggtgggaaaaacacacac
		ttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgcggcgggaaaaaaggacaccttgctgcggcgggaaaaaaggacaccttgctgcggcgggaaaaaaggacaccttgctgcggcgggaaaaaaggacaccttgctgcggcgggaaaaaaaggacaccttgctgcggcgggaaaaaaaggacaccttgctgcggcgggaaaaaaaa
		$caagtgg {\color{red}cgg} {\color{red}c$
		gccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt
		gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc
		8,886,8999,990,000,890,000,000,000,000,000,00
rho2216t1t2s4a 2.2	cell 10	eeccecceccecceccecccccccccccccccccccccc
111022100102510 2.2	con 10	eecceeccecceccecceccecccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
		eteeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccee
l 001 <i>C</i> ±1±0 4	11 10	eeeceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	000000000000000000000000000000000000000
		eecceeccecceccecceccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

6xdlPLZ

cell 6

		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
f1102210t1t284a1111	cen 8	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eecceecectseecceecececececececececececec
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecce
1001 <i>C</i> +1+0-40	11 0	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceccescecceccecceccecceccecccccccccc
		000000000000000000000000000000000000000
		eeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		eecceeccetseccececceccecceccecccccccccc
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 00101110 4 11	11 10	eecceeccececcececcecceccceccccccccccccc
rho2216t1t2s4ad+	cell 10	000000000000000000000000000000000000000
		eeccececececececececececececececececec
		eeccecceccecceccecccccccccccccccccccccc
		eeccececet eeccecececececececececececece
		eteeceececedeceeceececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 0040440 4 1	11.40	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eecceeeccecececececececececececececece
		eecceeeccecececececececececececececece
		eecceeecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecce
		ecceccecet cecceccecceccecceccecceccecccccccc
		eteeceececedeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecetsecceccecceccecceccecceccecccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeeee
		etsee ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

$1PE\ 0.87$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
1PEm1	cell 8	eeceeeceeeceeceeceeceeceeceeceeceeceece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
1PEm2	cell 9	eeceeeceeeceeceeceeceeceeceeceeceeceece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeceeeceeeceeceeceeceeceeceeceeceeceece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
1PEm1d+	cell 8	eeceeeceeeceeeceeceeceeceeceeceeeceeec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeeceeeceeeceeeceeeceee
1PEm2d+	cell 9	eeceeeceeeceeeceeceeceeceeceeceeceeceec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeceeceeceeceeceeceeceec

attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaaccgaaaatccaagagaaaacccaagagaacccaagagaacccaagaacccaagaacccaagagaacccaagagaacccaagaac

 $cagagegtegagteaaggeteetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteeegtegatee \\ aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetgtatteeegeateee \\ aacaegeataetteeeaggeatttteeeaaategagagaaaaceeaaagaataaceeaaggaaaacagaaaaateeagagegtegagtea \\ aggeteettetaaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeeegeet \\ \\$

		ecceccecceccecceccecccccccccccccccccccc
		eecceecceetecceeteccecceccecccccccccccc
	,, ,	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececeecececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		0.0000000000000000000000000000000000000
		eeccecececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecetteccecceccecceccecceccecceccec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	ec
21 11112	CCII 3	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeeccee
		ecceccecceccecceccecccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
ODE 1	11 =	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceee
		eecceeeceeeceeeceeeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecccecccccccccccccccccccccccccccccccccc
		eecceecceetecceeteccecceccecceccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	JUI 0	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

2PEm2d+cell 9 atteccgtcgatccaaagatattetcaatcccctttttgaatcaacaagtaaaatatttcaaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc1PEe 0.91cell 7 1PEe cell 8 1PEem1 cell 8 1PEem2 cell 9 1PEed+cell 7 1PEed+cell 8 1PEem1d+ cell 8 1PEem2d+ cell 9

atcetgggaaaaccegagatgateetgggaaaaccegacetgggaaaaccegagateetgggaaaaccegagateetgggaaaaccegag

atcctgggaaaacccga

6xdlPLZ 5.4	cell 5	eeceeedeeceeeceeeceedeeceeceedeeceeceedeeceec
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeee
6xdlPLZm2	cell 9	eeceee deeceeeceeceeceeceeceeceeceeceeceeceecee
6xdlPLZd+	cell 5	ececeedeecececececececedeececedeececedeecececececedeececececedeececececedeecececececedeecececece
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	ececeedeecececececececedeececedeececedeecececececedeecececedeececececedeecececececedeecececece
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	eccecedeeccececececececedeeccecedeeccedeeccecececececedeeccecececedeeccecececececececececececececececececec
onan Bamra i	0011 0	eeeteeedeeeeeee
6xdlPLZm2d+	cell 9	ececeedeecececececececedeececedeececedeecececececedeecececedeececececedeecececececedeecececece
		eeeteeedeeeeeeee
		aaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatatgagatcca
6xEtPLZ 0	cell 1	eccecceccetseccectteccccctseccccccccccc
6xEtPLZ	cell 2	ecceeececeetsececetsecceeececececececece
6xEtPLZm1	cell 8	ecceeececeetsececetsecceeececececececece
6xEtPLZm2	cell 9	ececeeeceeetsececeetsececeececeececeece
6xEtPLZd+	cell 1	eccceeccceetsecccectseccceeccceeccceecc
6xEtPLZd+	cell 2	eccceeccceetsecccectseccceeccceeccceecc

agetttteetetgeteaaaateaaaatgattaaaaeaacagtttgataegaattttaatteeeetttttgetgeggagteagttaagtgattaagtgattaatteeetttttgetgeggagteagttaagtgattaagtg ${\it gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaaggctgcttgaaagacgcgcccctg}$

gccagga at caacgtcct gcct gcgt gggaaa ag cccacgtcct acccacgcc cactcggt tacctg a at tcg ag ctcg ag tg tt tt tacccacgc ccactcgg tacctg at tcg ag ctcg ag tg tt tt tacccacgc ccactcgg tacctg acceptance and tacceptance against the tacccacgc cactcgg tacctg acceptance a ${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$

$rho2216t1t2s4a\ 2.2 \quad cell\ 10$

6xEtPLZm1d+

6xEtPLZm2d+

 $\operatorname{cell} 8$

cell 9

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ecceeeceede ecceeeceeceeceeceeceeceeceeceeceeceece
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eccececececececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		eccececetseccececcececcececcececcececce
		etsee e e e e e e e e e e e e e e e e e
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceceseccecececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		eccececetseccececececececececececececece
		etsee ee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eccececececececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		eccececectecececececececececececececece
		et ee e
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 13	ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
		eccececececececececececececececececece
		eccececectecececececececececececececece
		et ee e
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeeee
		etsee e e e e e e e e e e e e e e e e e
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	$ecceees \\ ecceees \\ ecce$
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc}\\$

 ${\it cagagggtcgagtcaaggetctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc}$

$1PE \ 0.87$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteeegtegatee \\ aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetgtatteeeegeateee \\ aacaegeatactteeeaggeatttteeeaaategagagaaaaceeaaagaataaceeaagagaaaacegaaaateeagagegtegagtea \\ aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeegeeget$

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

ecceptereccepte cell 6 cell 8 e^{-2} cell 9 cell 5 999999 cell 6

2PE

2PEm1

2PEm2

2PEd+

2PEd+

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eecceeecceeecceeecceecceecceecceecceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceecceecceecceecceec
		eecceeecceeecceeecceeecceeecceecceecce
		eeeceeeeceeeeceeeeceeeeceeeeceeeeceeeeceeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeeceeet eecceeeceeceeceeceeceeceeceeceeceeceece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	eecceeecceeecceeecceeecceeecceeecceee
		eeeceeeeceeeeceeeeceeeeceeeeeeeeeeeeeee
		eeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececece teccecececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc
		agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
$1PEe\ 0.91$	cell 7	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeececeecececececececececececececec
1PEem1	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	ececececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+		cecceccccccccccccccccccccccccccccccccc
ii Ediliu-	cell 8	eccecceccecceccecceccccccccccccccccccc
11 Louitu⊤	cell 8	
11 Domitu⊤	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 8	ecceeceeceeceeceeceeceeceeceeceeceeceec

atcctgggaa	aacccgagatgatcc	tgggaaaacccg	acctgggaaaac	ccgagatcctggg	gaaaacccgagato	ctgggaaaa
atcctgggaa	aacccga					

6xdlPLZ 5.4	cell 5	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2	cell 9	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 5	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2d+	cell 9	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa

6xEtPLZ 0	cell 1	ecccecccccctsccccctsccccccccccccccccccc
	0011 1	
6xEtPLZ	cell 2	eeeeeeeeeeeseeets eeeeeeets eeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeetseeeeetseeeeetseeeeeeeeeeeee

 $caagtgg {\color{red}cggcggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacggttgttttgggggaaattcccggcgaggcaggaatcacgtcctgtcctg {\color{red}cggtgggaaaagccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgttttggtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$

 $rho2216t1t2s4a\ 2.7 \quad cell\ 10$

		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecece et eccecececececececececececece
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecececececececececececececececece
		eecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeeece teeceeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececedececececec
		eccecececececececececececececececececece
rho2216t1t2s4am1	cell 8	eccececcecceccecccccccccccccccccccccccc
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eeccecectseccececececececececececececece
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceceseccecececececececececececececece
1110221001025441112	CCH 5	eeececececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccectsecceccecceccecceccecccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
wh = 2216+1+2a4 a d +	0011 10	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccececet eccececececececececececececec
		eteeceeecedeeceeceeceeceeceeceeceeceeceece
		ecceccecceccecceccecceccecceccecceccecc
	11. 40	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
		eecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
rho2216t1t2s4am1d+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeceets ecceeceeceeceeceeceeceeceeceeceeceeceec
		etsee e e e e e e e e e e e e e e e e e
		eccececececececececececececececececece

rho2216t1t2s4am2d+	cell 9	eccececececececececececececececececece
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccgtccg
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgc
1PE 0.97	cell 5	eccececececececececececececececececece
1PE	cell 6	eccecceccecceccecceccecceccccccccccccc
1DE1	11 0	ecceeecceeecceeecceeecceeetseecceecceecc
1PEm1	cell 8	eccecceccecceccecceccecccccccccccccccc
1PEm2	cell 9	eccececececececececececececececececece
1PEd+	cell 5	ecceeccecceccecceccecceccccccccccccccc
1PEd+	cell 6	ecceeccecceccecceccecccccccccccccccccc
1PEm1d+	cell 8	eccececececececececececececececececece
1PEm2d+	cell 9	ecceecceccecceccecccccccccccccccccccccc

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

2PE 1.9	cell 5	000000000000000000000000000000000000000
21 11 1.3	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccecceccecceccecceccecceccecccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccececcececceccecceccecceccecceccecccc
		eccecececetecececececececececececececec
		ecceccecceccecceccecceccccccccccccccccc
2PE	cell 6	ecceccecceccecceccecceccecceccecceccecc
21 12	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		ecceccecceccecceccecceccecceccccccccccc
		eccececcececcececcecceccecceccceccccccc
		eccecececetecececececececececececececec
2PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cen 8	000000000000000000000000000000000000000
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccccccccccccccccccccccc
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		ecceccecceccecceccecccccccccccccccccccc
		ecceeecceecteecceecceecceecceecceecceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	eececececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eececeeececeececeecececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeeceeeceeeceeeceeeceee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece

		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
ODD 11.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		666666666666666666666666666666666666666
		666666666666666666666666666666666666666
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceecceetecceeccecceccecceccecccccccc
0DD 01:	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		666666666666666666666666666666666666666
		666666666666666666666666666666666666666
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eecceecceetecceecceccecceccecccecccccccc
		666666666666666666666666666666666666666
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc
		agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 0.98	cell 7	ecccecccccccccccccccccccccccccccccccccc
1PEe 0.98	cell 7	eccececececececececececececececececece
1PEe 0.98	cell 7	
1PEe 0.98 1PEe	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	,	ecceececececececececececececececececec
	,	ececececececececececececececececececec
	,	eccececececececececececececececececece
1PEe	cell 8	eccececececececececececececececececece
1PEe	cell 8	eccececececececececececececececececece
1PEe	cell 8	ececececececececececececececececececec
1PEe 1PEem1	cell 8	ececececececececececececececececececec
1PEe 1PEem1	cell 8	ececececececececececececececececececec
1PEe 1PEem1	cell 8	eccececececececececececececececececece
1PEem1 1PEem2	cell 8 cell 8 cell 9	ececececececececececececececececececec
1PEem1 1PEem2	cell 8 cell 8 cell 9	ececececececececececececececececececec
1PEem1 1PEem2	cell 8 cell 8 cell 9	ececececececececececececececececececec
1PEem1 1PEem2 1PEed+	cell 8 cell 8 cell 9 cell 7	ececececececececececececececececececec
1PEem1 1PEem2 1PEed+	cell 8 cell 8 cell 9 cell 7	eccecceccecceccecceccccccccccccccccccc
1PEem1 1PEem2 1PEed+	cell 8 cell 8 cell 9 cell 7	eccecceccecceccecceccecceccecccccccccc

1PEem2d+	cell 9	eccececececececececececececececececece
		at cct gggaaaacccgagat gat cct gggaaaacccgacct gggaaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct
6xdlPLZ 5.8	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	ecceedeeceeceeceeceeceeceeceeceeceeceece
6xdlPLZm1	cell 8	ecceeedeccecececececececececececececece
6xdlPLZm2	cell 9	ecceedecececececececececececececececece
6xdlPLZd+	cell 5	ececeedecececececececececececececececec
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ecceeedeccecececececececececececececece
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatga
6xEtPLZ 0	cell 1	eccecececectseccecttseccecececececececec
6xEtPLZ	cell 2	eeeeeeeeeeets eeeeeeets eeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeets eeeeeets eeeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeceeeeeeets eeceeeets eeceeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeceeeeeeeet. see eeceeet see eeceeeeeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	ecceeeeeeeets ecceeeeets ecceeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $caagtggcggcggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacgcgttgttttgggggaaattcccgggcgacgg\\gccaggaatcaacgtcctgcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgttttgg\\$

 ${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$

$rho2216t1t2s4a\ 2.7$	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceet eecceeeceeceeceeceeceeceeceeceeceeceece
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeeee
		$et {\color{red}\mathbf{s}} ee e e e e e e e e e e e e e e e e e$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeeee
		$et {\color{red}\mathbf{s}} ee e$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 13	eccececececececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		ecceecee et ecceeceeceeceeceeceeceeceeceeceeceeceec
		et ee e
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceececececececececececececececececec
		ecceececececececececececececececececec

${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm am}2{\rm d}+$	cell 9	eccecececesecececececececececececececec
		atteceg tegatecaa agatat tetea at eccettttt gaateaa caagtaa aa tattecaa aa atteee ga caatteee tegatee cegteee gaatae tee caaga gaatat tee caaga ga caattee caaga ga caa at ee ga caa at e
		${\bf cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegeegeegeegeegeegeegeegeegeegeeg$
1PE 0.97	cell 5	eccececececececececececececececececece
1PE	cell 6	eccececececececececececececececececece
1PEm1	cell 8	eccecceccecceccecceccecccccccccccccccc
II Emi	CCII O	eccecceccecceccecceccecceccccccccccccc
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eccecceccecceccecceccecccccccccccccccc
1PEd+	cell 6	eccecceccecceccecceccccccccccccccccccc
1PEm1d+	cell 8	ececececececececececececececececececec
1PEm2d+	cell 9	ec
		eccececececececececececececececececece

 $cagagcgtcgagtcaaggctctcttcaatttagetttgaatttgetgtattttegttttgcagccgccgctgccgcaattcccgtcgatcc\\ aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc\\ aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaaggataaacccaaggagaaaatcgagagacaatccaggcgtcgagtca\\ aggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcct\\ \\$

2PE

2PEm1

2PEm2

2PEd+

cell 6

cell 8

cell 9

cell 5

		ec
2PEd+	cell 6	ecccccccccccccccccccccccccccccccccccccc
21 24 1	0011 0	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecceccecceccecceccecceccccccccccccc
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	ecccccccccccccccccccccccccccccccccccccc
21 Emily	cen o	ec
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccccccccccc
		•
		eccecececececececececececececececececece
		ececceccecceccecceccecccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2a+	cen 9	eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		666666666666666666666666666666666666666
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagaggaaaacccaaagagaaaacagaaaaatccaagaggaaaacccaaagagaaaacagaaaaatccaagaggaaaacccaaagagaaaacagaaaaacagaaga
		agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege
1PEe 0.98	cell 7	eccecceccccccccccccccccccccccccccccccc
11 Lc 0.50	CCII	eeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeeeee
		ecocceccecceccecceccecceccecccccccccccc
1PEe	cell 8	ecceccecceccecceccecceccecceccecceccecc
II LC	cen o	ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecccccccccccccc
1PEem1	cell 8	
11 Dem1	cen o	eccecceccecceccecceccecceccecccccccccc
1PEem2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1P Lem2	cen 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE. 1	11 =	ec
1PEed+	cell 7	eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

1PEed+	cell 8	ecceececececececececececececececececec
1PEem1d+	cell 8	eccececececececececececececececececece
1PEem2d+	cell 9	ecceeccecceccecceccecceccecccccccccccc
		at cct gggaaaacccgagat gat cct gggaaaacccgacct gggaaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct gggaaacccgagat cct
6xdlPLZ 5.8	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	eeeecedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	ee
6xdlPLZm2	cell 9	ecceedeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 5	ecceeedeeceeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	ee
6xEtPLZ	cell 2	eeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	ecececececetsececectsececececececececece
6xEtPLZm2 6xEtPLZd+	cell 9 cell 1	ecceecceceetseecceeetseeccececceccecceccecccec
6xEtPLZd+	cell 2	eeceeeceeetseeceetseeceeetseeceeceeceeceeceeceeceeceeceeceeceeceec
6xEtPLZm1d+	cell 8	eecceeeccetsecceetsecceecceecceecceccecceccecceccecceccecc
6xEtPLZm2d+	cell 9	eeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeeee

agetttteetetgeteaaaateaaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtgagtegettteaggaeteaggaeteateeagategeacgateeettttgeatetgeettteagaagetgettgaaagaeggeeeettgeagatgeagtgetgetgaaagaeggeeeettgeagatgeagatgetgeagatgetgeagatgetgeagatgeagatgeettgaaagaeggeeeettgeagatgea

rho2216t1t2s4a 2.7 cell 10

rho2216t1t2s4a cell 13

rho2216t1t2s4am1 cell 8

rho2216t1t2s4am2 cell 9

rho2216t1t2s4ad+ cell 10

e e

rho2216t1t2s4ad+ cell 13

		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eccececececececececececececececececece
		$eccecece et \underline{s} eccececececececececececececececececece$
		$et {\bf s} e e e e {\bf e} e e e e e e e e e e e e e e e e e e$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eceeeeceetseceeeceeeceeeceeeceeeceeeceee
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecdeceecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaatatttcaaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaatatttcaaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaaattgccgacaattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaaattgccgacaaattcccctcgtattgaatcaacaagtaaaaaatattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaaattgccgacaaattcccctcgtattgaatcaacaagtaaaaatatttcaaaaaaattgccgacaaattcccctcgtattgaatcaacaagtaaaaaaatatttcaaaaaaaa
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
		Cagagegicgagicaaggeiciciicaaiiiageiiiigaaiiigeigiaiiiiiegiiiiigeageegeegeigeege
1PE 0.97	cell 5	ecceecceccecceccecccccccccccccccccccc
		ecceeecceeecceeecceeectseecceeecceeecce
		000000000000000000000000000000000000000
1PE	cell 6	ecceccccccccccccccccccccccccccccccccccc
	0 0 - 2	eccececececececececececececetscecececece
1PEm1	cell 8	ecceccccccccccccccccccccccccccccccccccc
11 23111	0011	eccececececececececececetseccececececece
		eececececececececececececececececececece
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 121112	cen b	eeceeeceeceeceeceeceecetseeceedeeceeceeceeceeceeceeceeceeceeceece
		ecceccecceccecceccecceccecceccecceccecc
1PEd+	cell 5	eececececececececececececececececececece
11 1/U	CC11 0	eececeecececececececececececececececec
		ecceccecceccecceccecceccecceccccccccccc
1PEd+	cell 6	eeccececcecceccecccccccccccccccccccccc
11 12U	CCII U	eccececececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
1PEm1d+	cell 8	
11 EIII1U+	cen 8	ecceeccecceccecceccecceccecceccecceccec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE 01:	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtatteeetegteeteegateeeteegateeteegateeteetegateeteegateegateeteegateegateeteegateeteega

 $cagagcgtcgagtcaaggctctcttcaatttagetttgaatttgetgtattttegttttgcagccgccgctgccgcaattcccgtcgatcc\\ aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc\\ aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca\\ aggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgcct\\ \\$

eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		eeccecceccecceccccccccccccccccccccccccc
		eccecececececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
		eccecececeteccecececececececececececece
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2P E(I+	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eccececececececececececececececececece
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ecceecceccecceccecceccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececcececceccccccccccccccccccccccccc
		000000000000000000000000000000000000000
		ecceeecceeecceeecceeecceeecceeecceeec
		eccecececececececececececececececececece
		eccececectecectecececececececececececec
		eccecececececececececececececececececece
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc
		agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege
1PEe 0.98	cell 7	eccecececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
1PEe	cell 8	000000000000000000000000000000000000000
11 20	con c	eccecececececececececetscececececececece
		eccecececececececececececececececececece
1PEem1	cell 8	ecceccecceccecceccccccccccccccccccccccc
II LOIIII	cen o	eccececececececececececececececececece
1DF9	aol1 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		ecceececececececececececececececececec
1PEed+	cell 7	ecceececececececececececececececececec
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeecececececececececececececececece
1PEed+	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	ecceececececececececececececececececec
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cetgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctggaaaacccgagatcctggaaacccgagatcctggaaaacccgagaacccgagaacccgagaacccgagaacccgagaacccgagaacccgagaacccgagaacccgaga
		atcetgggaaaacccga
6xdlPLZ 5.8	cell 5	ee ee ee ede ee ee ee ee ee ee ee ee ee
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	eeeeeedeeeeeeeeedeeeeeedeeeeeedeeeeeedeeee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	eeeeeedeeeeeeeeedeeeeeedeeeeeedeeeeeedeeee
a UDI Z L	11 =	eeeteeedeeeeeeee
6xdlPLZd+	cell 5	eeeceedeeeceeeceedeeceeeceedeeceeeceedeeceeeceedeeceec
6 UDI 7.1	11.0	eeeteeedeeeeeeee
6xdlPLZd+	cell 6	eeeceedeeeceeeceedeeceeeceedeeceeeceedeeceeeceedeeceec
C 11D17 11:	11 0	eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2d+	cell 9	eeeteedeeeeeee
0xdiPLZIII2d+	cen 9	eccecedeccecececececececedeccececececec
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	ee
6xEtPLZm2	cell 9	ee
6xEtPLZd+	cell 1	$eeeeeeeeeeets eeeeeeees \\ \frac{1}{2} \\ eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee$
6xEtPLZd+	$\operatorname{cell} 2$	eeeeeeeeeets eeeeeees tseeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	ecceeeceeets ecceeeceeceeceeceeceeceeceeceeceeceecee

caagtggcggcaatttcctgattcgcgatgccatgaggcactcgccaagcttgacggttgttttgggggaaattcccgggcgagccaggaatcaacgtcctgtcctgctggggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgttttggtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc

$rho2216t1t2s4a\ 2.7$	cell 10	ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceteeeceeeeceeeeceeeeeeeeeeeeee
		et ee e
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	ecceececececececececececececececececec
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et eeceeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$et {\color{red} s} ee e e e e e e e e e e e e e e e e $
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		etsee ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeteeeeeeeeeeeeeeeeeeeeeeeeeee
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 13	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eccecceceteccecceccecceccecceccecccccccc
		ecceccecceccecceccecceccecceccecceccecc
-19916+1+9-411	11 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceccecceccecccccccccccccccccccccccccc
		eccecceccecceccccccccccccccccccccccccc
		eeceeeceeeceeeceeceeceeceeceeceecee
		ecceccectsecceccecceccccccccccccccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		$ecceeecce t \\ secceeecceecceecceecceecceecceecceeccee$
		$et {\color{red} s} ee ee$
		eccececececececececececececececececece
		ecceccecceccecceccecccccccccccccccccccc
		attagagtagataga ang atattataga tagagtttttga atan ang attagag tattaga ang attagag ang attagag tagagtag tatt
		attcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtatt ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaa
		cegiceegeareecaacaegearaerreecaggearriiteecaaaregagagaaaaeecaaagaaraaceeaagagaaacagaaa
		${\bf c} {\bf a} {\bf g} {\bf a} {\bf g} {\bf c} {\bf g} {\bf c} {\bf g} {\bf g} {\bf c} {\bf g} {\bf g} {\bf c} {\bf g$
1PE 0.97	cell 5	$cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\ eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee$
1PE 0.97	cell 5	
1PE 0.97	cell 5	eececececececececececececececececececece
1PE 0.97	cell 5	ecceeecceecceecceecceecceecceecceeccee
		eccecceccecceccecceccccccccccccccccccc
		eccecceccecceccecceccecceccecccccccccc
1PE	cell 6	eccececcececcecceccecccccccccccccccccc
		eccececcececcecceccecccccccccccccccccc
1PE	cell 6	eccececececececececececececececececece
1PE 1PEm1	cell 6 cell 8	eccececececececececececececececececece
1PE	cell 6	eccececececececececececececececececece
1PE 1PEm1	cell 6 cell 8	eccececcececcececceccecceccccccccccccc
1PE 1PEm1 1PEm2	cell 6 cell 8 cell 9	eccececcececcecceccecccccccccccccccccc
1PE 1PEm1	cell 6 cell 8	ecceeccecceccecceccecccccccccccccccccc
1PE 1PEm1 1PEm2	cell 6 cell 8 cell 9	eccececcececcecceccecccccccccccccccccc
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9 cell 5	ececececececececececececececececececec
1PE 1PEm1 1PEm2	cell 6 cell 8 cell 9	eccecceccecceccecceccecceccccccccccccc
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9 cell 5	ecceccecceccecceccecceccecceccecccccccc
1PEm1 1PEm2 1PEd+ 1PEd+	cell 6 cell 8 cell 9 cell 5 cell 6	ececececececececececececececececececec
1PEm1 1PEm2 1PEd+	cell 6 cell 8 cell 9 cell 5	ecceccecceccecceccecceccecceccecccccccc

1PEm2d+ cell 9

 $atteccgtcgatecaaagatatteteaateccetttttgaateaacaagtaaaatattteaaaaattgecgacaatteccetegtattee\\ecgteccgcateceaacacgcataetteccaggcatttteccaaategagagaaaacccaaagaataacccaagagaaacagaaaaate$

 $cagagegtegagteaaggeteetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteeegtegatee\\ aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegaeaatteeeetegtatteeegeateee\\ aacaegeatactteeeaggeatttteeeaaategagagaaaaceeaaagaataaceeaagagaaaacagaaaaateeagagegtegagtea\\ aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeegeegeet\\ \\$

2PE 1.9 cell 5

2PE cell 6

2PEm1 cell 8

2PEm2 cell 9

		ec
2PEd+	cell 5	ec
	0.022	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeccecceccecceccccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
		$ecceeececeee^\dagger ecceeecececececececececececececececece$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecececececececececececececececececec
		ecceecceccecceccecceccccccccccccccccccc
		ecceeeeceeeeceeeeceeeeceeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceeecceee
2PEm1d+	cell 8	eecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
·		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecccecccccccccccccccccccccccccccccccccc
		ecccccccctccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	0011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeceeceeceeceeceeceeceec
		eeececececececececececececececececececec
		eeeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacagaaaaatccaagagaaaacagaaaaaacccaagagaaaacagaaaaacccaagagaaaacagaaaaacccaagagaaaacagaaaaacccaaagagaaaacagaaaaacccaagagaaaacagaaaaacccaagagaaaacccaagagaaaacccaaagagaaaacagaaaaacccaagagaaaacagaaaaacccaagagaaaacagaaaaacagaaaaacccaagagaaaacagaaaaacagaaaaacagaaaaacccaaagagaaaacagaaaaacagaaaaacagaaaaacagaaaaacagaaaaacagaaaaacagaaaaacagaaaaacagaaaaacagaaaaaa
		agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 0.98	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 20 0.00		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccccccccccc
1PEe	cell 8	ec
11 20	0011 0	eeeeeeeeeeeeeeeeeeetseeeeetseeeeeeeeee
		ec
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II LOIIII	con o	

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DE 0	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	eecceeecceeecceeecceecceecceecceecceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4DE 1	11 -	eecceeeccecececececececececececececece
1PEed+	cell 7	eeccecceccecceccecceccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DD 1.	11.0	eecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecce
1PEed+	cell 8	eecceeecceeecceeecceecceecceecceecceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DD 11.	11.0	eecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
1PEem1d+	cell 8	eeeceeeeceeeceeeceeeceeeceeeceeecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eeeceeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cct gggaaaaacccgagat gat cct gggaaaacccgacct gggaaaaacccgagat cct gggaaaaacccgagat cct gggaaaaacccgagat gat gat gat gat gat gat gat gat ga
		atcetgggaaaacccga
6xdlPLZ 5.8	cell 5	ee
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ececedecececececececececececececececece
6xdlPLZm2	cell 9	ecceee de ecceee ecceee ecceee eccee ecc
. UDT 51	,, ,	eeeteeedeeeeeeee
6xdlPLZd+	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	eceteedeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
oxuif LZu+	cen o	
6xdlPLZm1d+	cell 8	eceteedeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
0xuif LZiiiiu+	cen o	
6xdlPLZm2d+	cell 9	eeeteeedeeeeeee
0xuif LZiii2u+	cen 9	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	eeeeeeeeeeetseeeeetseeeeeetseeeeeeeeee
6xEtPLZ	cell 2	ecceeecceeetsceeccettsecceecceecceecceec
6xEtPLZm1	cell 8	ecceecececetsecceetsecceetseccececececec
6xEtPLZm2	cell 9	ecceeecceeetseecceetsecceecceecceecceecc

$6xEtPLZd+ \\ 6xEtPLZd+ \\ 6xEtPLZm1d+ \\ 6xEtPLZm2d+$	cell 1 cell 2 cell 8 cell 9	ecceeccecectseccecetsecceccecceccccccccc
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtggtegettteaggaeteaggeateateeagategeacgateeetttgeatetgeetteteagaagetgettgaaagaegegeeettgggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacategegaaacatttggettgeggaagacaagtgeggetgeaacaaaaagtegegaaacgaaac
		caagtggcgggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacgggttgttttgggggaaattcccgggcgagcaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgttttgtggaggattgctttggtacggtggctgaccttgccagtgccagtggtccatgtcc
rho2216t1t2s4a 2.7	cell 10	eccecccecccccccccccccccccccccccccccccc
rho2216t1t2s4a	cell 13	ececececececececececececececececececec
rho2216t1t2s4am1	cell 8	ececececececececececececececececececec
rho2216t1t2s4am2	cell 9	etseccesecedecceccecceccecceccecceccecccccccc
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm ad}+$	cell 10	etseecececedececececececececececececececec

		et ee e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccccccccccccccccccccccc
rho2216t1t2s4ad+	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eteccececedecececececececececececececece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	ecceceeseccecececececececececececececec
		eccececececececececececececececececece
		eccececececececececececececececececece
		eccececetseccececececececececececececece
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attacantanatana ana anta ttata anta aga titti ma ata a aga mita ana tatta a aga anti maga aga attacan taga ata
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtat
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgc
1PE 0.97	cell 5	ecceccecceccecceccecceccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PE	cell 6	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4DE 1		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 ${\rm cell}\ 6 \qquad {\rm eece}$

1PEd+

ecceepereceperecepereceeetsecceetsecceperecepereceperecepereceperecepereceperecepereceperd 1PEm1d+ cell 8 1PEm2d+ cell 9 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgcaattcccgtcgatcca a agatat tet ca at cecett ttt ga at ca aca ag ta a a at at tte a a a at te gega ca at te ceet gt at te ceeg te cege at ceet a a agatat te ceet gt at the ceep te cege at ceet a a agatat te ceep to ceep the ceep te ceep te ceep the ceep te ceep to ceep the ceep te ceep te ceep te ceep te ceep the ceep te caacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca gcagcgaatggccgtcgagcagccgcaaaatgtcaatttgagcaatggccggaag 2PE 1.9 cell 5 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEcell 6 eccepecee eteccepecee eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepecee eccepece eccepe eccepece eccepece eccepece eccepece eccepece eccepe eccepe eccepe eccep2PEm1 cell 8 2PEm2 cell 9

eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce ecceperate temperate expression and the properties of the proper2PEd+cell 5 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEd+cell 6 ecceperate temperate tem2PEm1d+ cell 8 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEm2d+ cell 9 ecccepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercec ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaaggaaaacagaaaaatcc

agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PEe 0.98

cell 7

1PEe	cell 8	eccececececececececececececececececece
1PEem1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	ececececececececececececececececececec
1PEed+	cell 7	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eccececececececececececececececececece
1PEem1d+	cell 8	eccececececececececececececececececece
1PEem2d+	cell 9	eccececececececececececececececececece
		at cct gggaaaacccga gat gat cct gggaaaacccga gat cct gggaaaacccga gat cct gggaaaacccga gat cct gggaaaacccga at cct gggaaaacccga
6xdlPLZ 5.8	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	eccee edecee eccee ecc
6xdlPLZm2	cell 9	ee
6xdlPLZd+	cell 5	ee
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	oo11 O	eccecedeccecececececececedeccecedeccececedeccececececedeccecececedeccececedeccecece
	cell 9	eeeteedeeeeeeeeeeeeee

aaaaaaaaaaatccatatgagatccatatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccat

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

agetttteetetgeteaaaateaaaatgattaaaacaacagtttgataegaattttaatteeeetttttgetgeggagteagttaagtgatt ${\tt gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgcagatcgcatctagaagctgcttgaaagacgcgcccctgcagatcgcatttgcatctgcatttgcatctgcatttgcatctgcatttgcatctgcatttgcatctgcatttgcatctgcatttgcatctgcatttgcatctgcatttgcatctgcattt$

 ${\it gccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt}$ ${\tt gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc}$

$rho2216t1t2s4a\ 2.7$	cell 10	ecceccccccccccccccccccccccccccccccccc
		ecceecceecceecceecceecceecceecceecceec
		ecceecceecceecceecceecceecceecceecceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et e e e e e e e e e e e e e e e e e e

rho2216t1t2s4a cell 13

rho2216t1t2s4am1 cell 8

rho2216t1t2s4am2cell 9 ecceptes control of the control of t

rho2216t1t2s4ad+	cell 10	eecccecccccccccccccccccccccccccccccccc
11102210111254au	CCII 10	eeccecceccecceccecceccccccccccccccccccc
		eeccecceccecceccecceccecceccccccccccccc
		eeccececet eccececececececececececececec
		eteecececedecececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eececececececececececececececececececece
rho2216t1t2s4ad+	cell 13	eeccecececececececececececececececececec
11102210110201041	0011 10	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eccececect eccececececececececececececec
		etececececedecececececececececececececec
		eecceccecceccecceccecceccedeccecceccecce
		eececececececececececececececececececece
rho2216t1t2s4am1d+	cell 8	eeccececceccecceccecceccccccccccccccccc
11102210010254am14	ccii o	eeccecceccecceccecceccccccccccccccccccc
		eeccecceccecceccecceccecccccccccccccccc
		ecceccectsecceccecceccecceccecceccecceccecceccecc
		etsecceseccedeccecceccecceccecceccecceccecceccec
		eececececececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
rho2216t1t2s4am2d+	cell 9	eccecescecececececescececececececececec
11102210t11t284a1112u+	cen <i>y</i>	
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccetseccecceccecceccecceccecceccecceccecccccc
		etseeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececcececcececcecececececedeccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatuuuuuuuuuu
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttttgcagccgccgctgccgc
1PE 0.97	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
0.0 ,		eccececececececececececececececececece
		eccececcececcececcececcececcececcececccecccc
1PE	cell 6	000000000000000000000000000000000000000
11 12	0011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eececececececececececececececececececece
1PEm1	cell 8	ecceccecceccecceccecceccecceccecceccecc
11 111111	0011 0	ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceccecceccecceccecceccecccccccccccc
1PEm2	cell 9	ecceccecceccecceccecceccecceccecceccecc
11 1/111/2	COIL	ecceececececececececececececececececec
		eecceccecceccecceccecceccecccccccccccc

1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacagaaaaatccaagagagaaaacccaaagagaaaacagaaaaatccaagagagaaaacccaaagagaaaacccaaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaacccaagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaag
		cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteeegtegatee
		aaagatatteteaateeeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeeetgateeegateee
		aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaatcagagagtca
		aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeeegeegeet
		asserverentativiaseringaaningerstativinestiviseaseeseeseeseeseessasaaanesaaaneeeees <mark>eeseer</mark>
		${\tt gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$
		g cag c g a at g g c c g t c g a g c a a at g t c a at t t g a g c a at g g c c g g a a g
$2PE\ 1.9$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeecceecceecceecceecceecceecceecceecce
		ee ecceeee ee ecceeee ee ecceee ee ecceee ee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

2PEm1

cell 8

2PEm2	cell 9	eccececececececececececececececececece
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eccececececececececececececececececece
		ee
		eccececececececececececececececececece
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eccececececececececececececececececece
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		ecceeecceeecteeecceeecceeecceeecceeecc
		eceeeeceeeeceeeeceeeeceeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeeceeeceeeceeeceeeceeeceeeceeeceee
		eccecececececececececececececececececece
2PEm1d+	cell 8	ecceccecceccecceccecccccccccccccccccc
		ecceececececececececececececececececec
		ecceecceecceecceecceecceecceecceecceec
		ecceecceecceecceecceecceecceecceecceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceeecceeecteeecceeecceeecceeecceeecc
		eceeeeceeeeceeeeceeeeceeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ecceecceecceecceecceecceecceecceecceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceecceecceecceecceecceecceecceec
		ecceecceecceecceecceecceecceecceecceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceecceecceecceecceecceecceecceec
		ecceeecceeecteeecceeecceeecceeecceeecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee eegteeegeateeeaacaegeataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaagagaaaaatee agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege

1PEe 0.98	cell 7	eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eeeceeeceeceeceeceeceeceeceeceeceeceece
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4BB 0	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4DD 1.	11 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4DD 1;	11.0	eeecceeecceeecceeecceeecceeecceecceecceecceecceecceecceecceeccee
1PEed+	cell 8	eeecceeecceeecceeecceeecceeecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DD 111	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeecceeecceeecceeecceeecceeecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4DD 01:	11.0	eeecceeecceeecceeecceeecceeecceecceecceecceecceecceecceecceeccee
1PEem2d+	cell 9	eeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cct gggaaaacccg agat gat cct gggaaaacccg acct gggaaaacccg agat cct gggaaaacccg agat ggaaaacccg agat ggaaacccg agat ggaaaacccg agat ggaaaacccg agat ggaaacccg agat ggaaaacccg agat ggaaacccg agat ggaaaacccg agat ggaaacccg agat ggaaaacccg agat ggaaacccg agat ggaaaccc
6xdlPLZ 5.8	cell 5	ecceedeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZ	cell 6	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1	cell 8	ee
6xdlPLZm2	cell 9	ee
6xdlPLZd+	cell 5	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	ee ee ee ede ee ee ee ee ee ee ee ee ee
		eeeteeedeeeeeeee
6xdlPLZm2d+	cell 9	ecceede ecce

aaaaaaaaagatccatatgagatccatatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatat

6xEtPLZ 0	cell 1	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
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

	gtggctgagattgctttggtacggtggctgaccttgccagtgccagtgggtccatgtcc
cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	eccecececececececececececececececececece
	ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
	ecceeeccee†ecceeecceecceecceecceecceecc
	etecececeedecececececececececececececece
	ecceccecceccecceccecceccecced
	eccecececececececececececececececececece
cell 13	ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
	ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
	ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
	ecceeeccee†ecceeecceecceecceecceecceecc
	etecececeedecececececececececececececece
	eccecececececececececececedecececececec
	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
cell 8	ecceccecceccecceccecceccccccccccccccccc
	eccecececececececececececececececececece
	ecceccecceccecccccccccccccccccccccccccc
	eccececeetseccececececececececececececec
	etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
	ecceccecceccecceccecccccccccccccccccccc
	ecceeccececcececcececcececceccecceccecc

rho2216t1t2s4am2

cell 9

		$eccecece et \underline{s} eccececececececececececececececececece$
		$et {\bf s} e e e e e e e e e e e e e e e e e e $
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eccececececececececececececececececece
		ececececetecececececececececececececece
		et e e e e e e e e e e e e e e e e e e
		eccee
		ecceccecceccecceccccccccccccccccccccccc
rho2216t1t2s4ad+	cell 13	ecceecceecceecceecceecceecceecceecceec
		ecceccccccccccccccccccccccccccccccccccc
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		etececececedecececececececececececececec
		eccececececececececececedececedecececec
		000000000000000000000000000000000000000
rho2216t1t2s4am1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
rho2216t1t2s4am2d+	cell 9	eccecescececececececececececececececece
11102210010251011120	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeccecceccecceccecceccccccccccccccc
		eccececetseccececececececececececececece
		etsecececedececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eececececececececececececececececececece
		eccecceccecceccecceccecccccccccccccccc
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatuuuuuuuuuu
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaa
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 0.97	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11 17 0.91	CCH 9	ecceececececececececececececececececec
		eecceecceccecceccecceccecceccccccccccc
1PE	cell 6	
11 E	cen o	
		eceeeceeceeceeceeceeceeceeceeceeceeceec
1DE ₂₀₀ 1	0011 0	000000000000000000000000000000000000000
1PEm1	cell 8	eccececcececceccecccccccccccccccccccccc

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceecceccecceccecceccccccccccccccccccc
		ecceeecceeecceeecceeetseceecceeetseceecceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	ecceeceeceeceeceeceeceeceeceeceeceeceec
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeceeeceeeceeceeceeceeceeceeceeceec
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4DE 41.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DD 01.	11.0	eecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecce
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecccccccccccccccccccccccccccccccccccccc
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		a a agat attete caateee cettitit gaatea acaa gaa aa at atti caa aa attigeega caatteee cettititiga at caa caa gaa aa attitie caa aa attigeega caatteee cettititiga at caa caa gaa aa attitie caa aa attigeega caatteee cettititiga at caa caa gaa aa attitie caa aa attigeega caa attieee cettititiga at caa caa gaa aa attitiee caa aa attigeega caa attieee cettititiga at caa caa gaa aa attitiee caa aa aa attigeega caa attieee cettititiga at caa caa gaa aa attitiee caa aa attigeega caa attieee cettititiga at caa caa gaa aa attitiee caa aa aa attigeega caa attieee cettititiga at caa caa gaa aa attitiee caa aa aa attigeega caa attieee cettititiga at caa caa gaa aa attigeega caa attieee cettititii attieee cettititii attieee caa caa gaa aa attigeega caa attieee cettitii att
		aacac g catact t ccca g g cat t t t ccca a at c g a g a g a a a accca a a g a a a acc a a g a a a a
		aggetetettea att tagettt gaat tt get gt att tt eg tt tt geageegeeget geegete gagaaa at egaaat ee
		gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg
2PE 1.9	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		666666666666666666666666666666666666666
		eecceeccecceccecceccccccccccccccccccccc
		ecceecceccecceccecceccccccccccccccccccc
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 15	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecceccecceccecceccccccccccccccccccc
		ecceccecceccecceccecceccecceccccccccccc
		ec
		eeeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	ec
21 11111	COILO	ecceecceccecceccecceccecceccccccccccccc

ecceperate temperate expression and the properties of the proper2PEm2 cell 9 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce 2PEd+cell 5 eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce eccesere eccesered in the contract of the co2PEd+cell 6 eccepecee eteccepecee eccepecee eccepece eccepecee eccepecee eccepecee eccepecee eccepecee eccepecee eccepece eccepe eccepe eccepece eccepe eccepe eccepe eccepe eccepe eccepe ec2PEm1d+ cell 8 ecccepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercecepercec 2PEm2d+ cell 9eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce

eccceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperceceperce

		colored and control of the colored and col
		agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 0.98	cell 7	eeeceeeceeeceeceeceeceeceeceeceeceeceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeececeeececeececeececeececececececece
1PEe	cell 8	ecceccecceccecceccccccccccccccccccccc
		ee
		ec
1PEem1	cell 8	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
1PEem1d+	cell 8	eccececececececececececececececececece
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceecceecceecceecceecceecceecceec
1PEem2d+	cell 9	ecceecceecceecceecceecceecceecceecceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cct gggaaaacccg ag at gat cct gggaaaacccg acct gggaaaacccg ag at cct gggaaacccg ag at cct ggga
		atcctgggaaaacccga
6xdlPLZ 5.8	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	eceeee deceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	eceeee deceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		and the advanced as a second a

 $attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaaaaacccaagagaaaaatcc\\$

eeeteeedeeeeeeeee

6xdlPLZm1d+ $6xdlPLZm2d+$	cell 8 cell 9	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatgagatccatatatat
$\begin{array}{c} 6xEtPLZ\ 0\\ 6xEtPLZ\\ 6xEtPLZm1\\ 6xEtPLZm2\\ 6xEtPLZd+\\ 6xEtPLZd+\\ 6xEtPLZd+\\ 6xEtPLZm1d+\\ 6xEtPLZm2d+\\ \end{array}$	cell 1 cell 2 cell 8 cell 9 cell 1 cell 2 cell 8 cell 9	ecececececetsececetsecececececececececec
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtg gtegettteaggaeteagggeateateeagategeacgateeeatttgeatetgeetteteagaagetgettgaaagaegegeeeetg ggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacategegaaacatttggettgeggaagacaagtgeggetgeaacaaaaagtegegaaacgaaac
		$caagtggcgggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacgggttgttttgggggaaattcccgggcga\\gccaggaatcaacgtcctgtcct$
rho2216t1t2s4a 2.7	cell 10	ececececececececececececececececececec
rho2216t1t2s4a	cell 13	ecceeccecceccecceccecceccecceccecceccccc
rho2216t1t2s4am1	cell 8	ecceeccecceccecceccecccccccccccccccccc

		ecceecceecceecceecceecceecceecceecceecceecceecceeccee
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm am}2$	cell 9	ecceecesececececececececececececececece
		eccececececececececececececececececece
		ececececececececececececececececececec
		eeeeeeeeets eeeeeeeeeeeeeeeeeeeeeeeeeee
		$et {\color{red} s} ee ee$
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm ad}+$	cell 10	ecceecceecceecceecceecceecceecceecceec
		ecceecceecceecceecceecceecceecceecceec
		ecceecceecceecceecceecceecceecceecceec
		$ecceeeccee \dagger ecceeecceecceecceecceecceec$
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccccccccccccccccccccccc
rho2216t1t2s4ad+	cell 13	ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceecece + ecceecececececececececececec
		et e e e e e e e e e e e e e e e e e e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4am2d+	cell 9	eeeceeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatuuuuuuuuuu
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacaac
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 0.97	cell 5	ecceccecceccccccccccccccccccccccccccccc
2 0.01	0011 0	ecceecceccecceccecceccecceccecccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1111	0011 0	

		eccecceccecceccecceccecceccecceccecccccc
		eeceeeceeeceeeceeceeceeceeceeceeceeceec
1PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	eecceeeccececececececececececececececece
		ecceeecececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Ed	cen o	eeceeeeceeeceeeceeetseedeeceeedeeceeedeeceeedeeceeedeeceeedeeceeedeeceeedeecee
		ecceccecceccecceccecceccecceccccccccccc
1PEd+	cell 6	
IF Eu+	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1DD 11.	11.0	666666666666666666666666666666666666666
1PEm1d+	cell 8	eeeceeeceeeceeeceeeceeceeceeceeceeceece
		ee
		eeceeceeceeceeceeceeceeceeceeceeceeceec
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc
		cagagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegeaatteeegtegatee
		aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc
		aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca
		aggetetettea att tagettt gaat tt get gt att tt eg tt tt geage eg eeg eeg eeg eeg eeg eeg eeg ee
		${\color{red} {\bf ga} cgt catacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$
		gcagcgaatggccgtcgagcagccgcaaaatgtcaatttgagcaatggccggaag
$2PE\ 1.9$	cell 5	eecceeecceecceecceecceecceecceecceecce
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccceccccccccccccccc
		ecceecceccecceccecceccceccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		ecceecceccecceccecceccccccccccccccccccc
2PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccceccccccccccccccc
		ecceececececececececececececececececec
		ecceeecceeecceeecceeecceeecceeecceeec
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceedecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$ecceeececeee^\dagger ecceeecececececececececececececececece$
		ecceecceccecceccecceccccccccccccccccccc
2PEm2	cell 9	ecceececececececececececececececececec
		ecceecceccecceccecceccecceccccccccccccc
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecccecccccccccccccccccccccccccccccccccc
		ecceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	ecceeecceeecceeecceeecceecceecceecceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeeceeeceeeceeeceeeceeeceeeceeecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeeceeeceeeceeeceeeceeeceeeceeecee

atteccetegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee eegteeegeateeeaacaegataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaagagaaaaatee agagegtegagteaaggeteetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege

1DE 0.00	11 =	
1PEe 0.98	cell 7	eeceeeceeeceeeceeeceeeceeeceeeceeecee
		eeceeeceeceeceeceeceeceeceeceeceeceecee
4.D.D.	11.0	666666666666666666666666666666666666666
1PEe	cell 8	eeceeeceeeceeeceeeceeceeceeceeceeceecee
		eccececececececececececececececececece
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEed+	cell 7	ecceccecceccecceccecceccccccccccccccc
		ecceeceeceeceeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	ecceecceecceecceecceecceecceecceecceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		atcctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgag
		atcctgggaaaacccga
6xdlPLZ 5.8	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
OXUII LZ 5.6	cen o	eeteedeeeeeeeee
6xdlPLZ	cell 6	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	ecceeedecceeeceeeceeeceeedecceeeceeecee
		eeeteeedeeeeeeee

6xdlPLZd+	cell 5	ecceedecececececececececececececececece
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ecceedeceeceeceeceeceeceeceeceeceeceecee
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagatccatatatga
6xEtPLZ 0	cell 1	eeeeeeeeeeseeeeseeeeeseeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeeeeeeeeeets eeeeeeeets eeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeeets eeeeeeeets eeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeeets eeeeeeeets eeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeets eeeeeeeets eeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
		agetttteetetgeteaaaateaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtggtegettteaggacteaggacteateeaggeacgateecatttgeatetgeetteteagaagetgettgaaagacgeeeetgggatgattagtgetaagateettgggeaggatggaaaatgggaaaacatgeggtgggaaaaacacacacacacacacacacategegaaacatttggettgeggaagacaagtgeggetgeaacaaaaagtegegaaacgaaac
rho2216t1t2s4a 2.7	cell 10	gccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgtttt gtggctgagattgctttggtacggtggctgaccttgccagtggccagtggtccatgtcc eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1110221001025TW 2.1	CCH 10	eccececececececececececececececececece
rho2216t1t2s4a	cell 13	ecceeecceeecceeecceeecceeecceeecceeec
		ecceeecceeecceeecceeecceeecceeecceeec
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		eccececeteccececececececececececececece
		etececececedecececececececececececececec
		ecceccccccccccccccccccccccccccccccccccc
		ec
rho2216t1t2s4am1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1110221011125441111	CEILO	

		eeccecceccecceccecceccccccccccccccccc
		ecceeceects ecceeceeceeceeceeceeceeceeceeceeceeceec
		${\tt ets} eccees eccee e$
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceccecceccecceccecceccecceccecceccecc
		$eccecece et \underline{s} eccececececececececececececececececece$
		${\bf ets} ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeecceeecceecceecceecceecceecceecce
		ecceececet ecceecececececececececececece
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccecceccceccccccccc
rho2216t1t2s4ad +	cell 13	ecceeecceeecceecceecceecceecceecceecce
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecee tecceeeceeeceeeceeeceeeceeecee
		eteeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccecceccecceccecceccecceccecccecccc
		ecceecceccecceccecceccecccecccccccccccc
rho2216t1t2s4am1d+	cell 8	ecceecceccecceccecceccccccccccccccccccc
		ecceecceccecceccecceccccccccccccccccccc
		ecceecceccecceccecceccccccccccccccccccc
		ecceccecetsecceccecceccecceccecceccecccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccecceccecceccecc
		ecceccecceccecceccecccccccccccccccccccc
rho2216t1t2s4am2d+	cell 9	ecceccesceccecceccecceccecceccecceccecce
1110==10010=010111=01	0011 0	000000000000000000000000000000000000000
		ecceccectsecceccecceccecceccecceccecceccecceccecc
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtatattcccqtcgatcaaaaattgccgacaattcccctcgtatattcccqtcgatcaaaaattgccgacaattcccctcgtatattcccqtcgatcaaaaattgccgacaattcccctcgtatattcccqtcgatcaaaaattgccgacaattcccctcgtatattcccqtcgatcaaaaattgccgacaattcccctcgtatatattcccqtatatattccaaaaaattgccgacaattcccctcgtatatattcccqtatatatattccaaaaaattgccgacaattcccctcgtatatata
		controperate con a concepta ette con greattitte con antegra ganna com a grant a com a grant a com a grant a com

cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc

1PE 0.97	cell 5	ecceececececececececececececececececec
1PE	cell 6	eccecceccecceccecceccecceccecccccccccc
1PEm1	cell 8	eccececececececececececececececececece
1PEm2	cell 9	eccececececececececececececececececece
1PEd+	cell 5	eccececececececececececececececececece
1PEd+	cell 6	eccececececececececececececececececece
1PEm1d+	cell 8	eccececececececececececececececececece
1PEm2d+	cell 9	eccececececececececececececececececece
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaaagagaaacagaaaaatcccaagagaaaacccaaagagaaacagaaaaatcccaagagaaaaacccaaagagaaaacagaaaaatcccaaagagaaaacccaaagagaaaacagaaaaatccaaagagaaaaacccaaagagaaaacccaaagaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaaacccaaagagaaaacccaaagaacccaaagaaacccaaagaaacccaaagaaacccaaagaacccaaacccaaagaacccaaagaacaac
		$cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc\\ aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccggtccgcatccc\\ aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtca\\$
		aggetetettea att tagettt gaat tt get gt att tt eg tt tt geage eg eeg eeg eeg eeg eeg eeg eeg ee
		$aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaategaaateceegeeget\\ gaegteataeetgeegatgeegeagetteegeeattgagtgggagegggatggeaagaeaagegageg$
2PE 1.9	cell 5	${\color{red} gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg$

		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		ec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	ecceccecceccecceccccccccccccccccccccc
		ee
		ecceccecceccecceccecccccccccccccccccc
		ecceecceecceecceecceecceecceecceecceec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecccecccccccccccccccccccccccccccccc
		ecceeecceeecteeecceeecceeecceeecceeecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	ecceccecceccecceccccccccccccccccccccccc
		ec
		ecceccecceccecceccccccccccccccccccccc
		000000000000000000000000000000000000000
		ec
		eccecceccecceccecceccecccccccccccccccc
		$eccececcece \\ + eccececceccecceccecceccecceccecccccccc$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	ecceccecceccecceccccccccccccccccccccccc
		ec
		ecceccecceccecceccecccccccccccccccccccc
		000000000000000000000000000000000000000
		ecceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecccccccccccccccccccccccccccccccccc
		ecceeecceeeteceecceeecceecceecceecceecc
		eccecececececececececececececececececece
2PEd+	cell 6	ecceecceecceecceecceecceecceecceecceec
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeecceeecceeecceeecceeecceeecceeec
		ecceccecceccecceccccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecccecccccccccccccccccccccccccccccc
		ecceeecceeeteceecceeecceecceecceecceecc
		eccecececececececececececececececececece
2PEm1d+	cell 8	ecceeecceeecceeecceeecceeecceeecceeec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccccccccccccccccccccc
		ecceecceecceecceecceecceecceecceecceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccee
		ecceeeceeeeteeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 9	ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

1PEe 0.98	cell 7	ecccecccccccccccccccccccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeececeecececececececececececececec
1PEe	cell 8	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	0.0000000000000000000000000000000000000
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecccecccccccccccccccccccccccccccccccccc
1PEem2	cell 9	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEed+	cell 7	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eccecceccecceccecceccecceccecccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		at cct gggaaaacccg agat gat cct gggaaaacccg acct gggaaaacccg agat cct gggaaaaacccg agat gggaaaacccg agat gggaaaacccg agat gggaaaacccg agat ggaaaacccg agat ggaaaacccg agat gggaaaacccg agat ggaaaacccg agat
		atcctgggaaaacccga
6xdlPLZ 5.8	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee

6xdlPLZm1	cell 8	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2	cell 9	ecceedecececececececececececececececece
6xdlPLZd+	cell 5	eccedececececececececececececececececec
6xdlPLZd+	cell 6	eceteedecececee ececedececececececececececec
6xdlPLZm1d+	cell 8	eccteedeccececee eccecedecececececececececec
6xdlPLZm2d+	cell 9	eceteedeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0 6xEtPLZm1 6xEtPLZm2 6xEtPLZd+ 6xEtPLZd+ 6xEtPLZd+ 6xEtPLZm1d+ 6xEtPLZm2d+	cell 1 cell 2 cell 8 cell 9 cell 1 cell 2 cell 8 cell 9	ececececeetsececetsecececececececececece
		$gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctg\\ ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacatcgcgaaacatttggc_ttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgaaagacgaaaaaaggacaccttgctgcgaaaaaaaggacaccttgctgaaaaaaaggacaccttgctgcgaaaaaaaa$
		$caagtggcggcggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacgcgttgttttgggggaaattcccgggcga\\gccaggaatcaacgtcctgtcct$
rho2216t1t2s4a 2.7	cell 10	ececececececececececececececececececec
rho2216t1t2s4a	cell 13	eccececececececececececececececececece

		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	eccececececececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		eccececectseccececececececececececececec
		etsee e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceceseccecececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		ecececeectsecececececececececececececece
		$et {\color{red}\mathbf{s}} ee e$
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eccececececececececececececececececece
		et ecceeeceed ecceeeceeceeceeceeceeceeceeceeceeceecee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 13	eccececececececececececececececececece
		et ecceeeceed ecceeeceeceeceeceeceeceeceeceeceeceecee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	eccececececececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		eccececectseccececececececececececececec
		etsee e e e e e e e e e e e e e e e e e
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	ecceceseccecececececececececececececece
		ececececececececececececececececececec
		eceeceeceeceeceeceeceeceeceeceeceeceece
		ececececetsecececececececececececececece
		$et {\color{red} see} ee $
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

$1PE\ 0.97$	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	ecceececececececececececececececececec
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeecececececececececececececececece
1PEm2	cell 9	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee\\eegteegeateeeaacaegeataetteeeaggeatttteeeaaategagagaaaaceeaaagaataaceeaagagaaacagaaaaate\\$

 $cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc\\ aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc\\ aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtca\\ aggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcct\\ \\$

		ec
2PE	cell 6	eecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccceccccccccccccccc
		ecceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceeecceee
2PEm1	cell 8	eecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	eecceeccecceccecceccecccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$eecceccece^{\dagger}eeccecccccccccccccccccccccccccccccccc$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	eecceeccecceccecceccceccccccccccccccccc
·		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccceccccccccccccccc
		ecceeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceeecceee
2PEd+	cell 6	ecceececececececececececececececececec
		ecceecceccecceccecceccecceccccccccccccc
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
		ecceeeeceeeeceeeeceeeeceeeeceeeeceeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceee
2PEm1d+	cell 8	ecceececececececececececececececececec
		ee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

2PEm2d+	cell 9	eccececcececcecceccecccccccccccccccccc
		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaaacagaaaaatccaagaggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc$
1PEe 0.98	cell 7	eecceeeceeeceeeceeceeceeceeceeceeceecee
1PEe	cell 8	eccecceccecceccecceccecccccccccccccccc
1PEem1	cell 8	eccececececececececececececececececece
1PEem2	cell 9	eccecceccecceccecceccecccccccccccccccc
1PEed+	cell 7	eccececececececececececececececececece
1PEed+	cell 8	eccececececececececececececececececece
1PEem1d+	cell 8	eccececececececececececececececececece
1PEem2d+	cell 9	eccececececececececececececececececece

at cct gggaaa acccg ag at cct gggaaa acccg

6xdlPLZ 5.8	cell 5	ecceedeccececececececececececececececec
6xdlPLZ	cell 6	ececeedecececececececececececececececec
6xdlPLZm1	cell 8	ececeedecececececececececececececececec
6xdlPLZm2	cell 9	eeeecedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell 8	ecceedececececeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2d+	cell 9	eccecedecececececececececececececececec
		aaaaaaaaaaaaaaatccatatgagatccatatatgag
6xEtPLZ 0	cell 1	eeeeeeeeeets eeeeeeeets eeeeeeeeeeeeeee
6xEtPLZ	cell 2	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xEtPLZm1	cell 8	ee
6xEtPLZm2	cell 9	ee
6xEtPLZd+	cell 1	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm1d+	cell 8	eeeeeeeeeetseeeeetseeeeeeeeeeeeeeeeeeee
6xEtPLZm2d+	cell 9	eceeeeceeecets eceeeeces seeceeeceeeceeeceeceeceeceeceeceeceeceec
		agetttteetetgeteaaaateaaaatgattaaaacaacagtttgatacgaattttaatteeetttttgetgeggagteagttaagtggtegettteaggaeteaggeateateeagategeacgateeetttgeatetgeetteteagaagetgettgaaagaegegeeettgggatgattagtgetaagateettgggeaggatggaaaaatgggaaaacatgeggtgggaaaaacacacategegaaacatttggettgeggaagacaagtgeggetgeaacaaaaagtegegaaacgaaac
		caagtggcgggaatttcctgattcgcgatgccatgaggcactcgccaagcttgacgcgttgttttgggggaaattcccgggcgagccaggaatcaacgtcctgtcctgcgtgggaaaagcccacgtcctacccacgcccactcggttacctgaattcgagctcgagtgttttgtggctgagattgctttggtacggtggctgaccttgccagtgccagtggtccatgtcc
rho2216t1t2s4a 2.7	cell 10	eccecceccecceccecceccecceccccccccccccc
rho 2216t1t2s4a	cell 13	eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		ececceccecceccccccccccccccccccccccccccc
		ecceccecceccecceccecceccccccccccccccccc
		eccepeccet eccepeccececcecceccecceccecceccecceccecc
		etecceccedecceccecceccecceccecceccecceccec
		ecceccecceccecceccecceccccccccccccccccc
		ecceccecceccecceccecceccecceccecceccecc
rho2216t1t2s4am1	cell 8	ecceccecceccecceccecceccccccccccccccccc
1110221001020101111	0011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccectseccecceccecceccecceccecceccecceccecccccc
		etseeceseceedecececececececececececececece
		eccecceccecceccecceccecccccccdecccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	ecceccescecceccecceccessecceccecceccecce
		eecceeccecceccecceccecccccccccccccccccc
		ecceececececececececececececececececec
		ecceeccetsecceccecceccecceccccccccccccc
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
		eccececect eccececececececececececececec
		et ee e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecccccccccccccccccccccc
rho2216t1t2s4ad +	cell 13	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceteeeceeeeceeeeceeeeeeeeeeeeee
		et cee ee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etsecees ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 0040440 4 0 7	11 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2d+	cell 9	eccecceseccecceccecceccecceccecceccecccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeccececetseeccecececececececececececece
		etseceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

$1PE\ 0.97$	cell 5	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatc\\$

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

		ecceececececececececececececececececec
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PE	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		ecceececececececececececececececececec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecccccccccccccccccccc
		ecceeecceeeteeecceeecceeecceeecceeecce
		eceeececeeececeeececeeececeeececeeececeeeceeeceee
2PEm1	cell 8	ecceccecceccecceccccccccccccccccccccc
		ec
		000000000000000000000000000000000000000
		ecceccecceccecceccccccccccccccccccccc
		ec
		eccecceccecceccecceccccccccccccccccccc
		eccececcece + eccececcecceccecceccecceccecccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2	cell 9	000000000000000000000000000000000000000
	0.022	ec
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		ecceccecceccecceccecccccccccccccccccccc
		eccecececeteccecececececececececececece
		ec
2PEd+	cell 5	ecceccecceccecceccecceccccccccccccccccc
ZI Ed	con o	eccecececececececececececececececececece
		ecceccecceccecceccccccccccccccccccccccc
		ecceccecceccecceccccccccccccccccccccccc
		eccecececececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
		eccecececeteccecteccececececececececece
		eccecececececececececececececececececece
2PEd+	cell 6	ecceccecceccecceccecceccecceccecceccecc
ZI Eu+	cen o	_
		ecceeccececcecceccecceccecccccccccccccc
		eccecceccecceccecceccecccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccectcecetcecceccecceccecccccccccc
9DFm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	сен 8	000000000000000000000000000000000000000

2PEm2d+ cell 9

 $attcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaaacagaaaaatcc\\ agagcgtcgagtcaaggetctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$

1PEe 0.98	cell 7	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEem2	cell 9	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEed+	cell 7	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

at cct gggaaa acccg ag at cct gggaaa acccg acct gggaaa acccg ag at cct gggaaa acccg ag at cct gggaaa acccg ag at cct gggaaa acccg acct gggaaa acccg ag at cct gggaaa acccg ag at cct gggaaa acccg acct gggaaa acccg ag at cct gggaaa acccg ag at cct gggaaa acccg acct gggaaa acccg ag at cct gggaaa acccg acct gggaaa acccg acct

6xdlPLZ 5.8	cell 5	eeeeeeedeeeeeeeeeedeeeeeedeeeeeedeeeeee
a UDI Z	11.0	eeeteeedeeeeeeee
6xdlPLZ	cell 6	ee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ee
		eeeteeedeeeeeeee
6xdlPLZm2	cell 9	ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 5	ee ee ee ede ee ee ee ee ee ee ee ee ee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	ee ee ee ede ee ee ee ee ee ee ee ee ee
		eeeteeedeeeeeeee
6xdlPLZm1d+	cell 8	ee ee ee ede ee ee ee ee ee ee ee ee ee
		eeeteeedeeeeeeee
6xdlPLZm2d+	cell 9	eeeceedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
		aaaaaaaaaaaaaatcca tatgagatcca tatgagatc
6xEtPLZ 0	cell 1	eeeceeeeceeets eeeceeeceeeceeeceeeceeeceeeceeeceeecee
6xEtPLZ	cell 2	eeeceeeeceeets eeeceeeceeeceeeceeeceeeceeeceeeceeecee
6xEtPLZm1	cell 8	eeeeeeeeeeeets eeeeeeets eeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeets eeeeeets eeeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeets eeeeeets eeeeeeeeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeets eeeeeets eeeeeeeeeeeeeeeee

rho2216t1t2s4a 2.7 cell 10

6xEtPLZm1d+

6xEtPLZm2d+

cell 8

cell 9

		et e e e e e e e e e e e e e e e e e e
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4a	cell 13	eccececececececececececececececececece
		ecceecceccecceccecceccccccccccccccccc
		ecceeeecceeecceeecceeecceeecceeecceee
		$ecceeeccee^\dagger ecceeecceeecceeecceeecceeec$
		eteeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececedecececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	000000000000000000000000000000000000000
1110221001020101111	con o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecececectseccececececececececececececec
		etseeeeseeedeeceeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
rho2216t1t2s4am2	oo11 O	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rno2210t1t2s4am2	cell 9	ecceccesecceccecceccccs
		ecceecceccecceccecccccccccccccccccccc
		ecceccecceccecceccccccccccccccccccccccc
		ecceecceetseccecceccecccccccccccccccccc
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eececeececececececececececececececececec
rho2216t1t2s4ad+	cell 10	eccececececececececececececececececece
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		et e e e e e e e e e e e e e e e e e e
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
rho2216t1t2s4ad +	cell 13	eccececececececececececececececececece
		eccececececececececececececececececece
		eccececececececececececececececececece
		eccecece et eccecececececececececececece
		et eeceeeceedeeceeceeceeceeceeceeceeceeceec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeececeececeececececececececececececec
rho2216t1t2s4am1d+	cell 8	ecceecceccecceccecceccccccccccccccccc
		ecceeeecceeecceeecceeecceeecceeecceee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeecceetseceecceecceecceecceecceeccee
		etseeceseecedeecececececececececececececec
		ecceeccececcececcececcececceccecceccecc
		eececececececececececececececececececece
rho2216t1t2s4am2d+	cell 9	ecceceseccecececececececececececececece
11102210010254a1112UT	0011 9	

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee\\eegteegeateeegacateeteeaggeatttteeeaaategagagaaaaceeaaagaataaceeaagagaaacagaaaaate\\eagagegtegagteaaggeteetteteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$

$1PE \ 0.97$	cell 5	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeeceeeceeeceeeceeeceeeceeeceeecee
		eeceeeeceeeeceeeeceeeeceeeeceeeeceeee
1PEm2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceecceecceecceecceecceecceecceeccee

attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagaacccaagagaaacccaagagaaacccaagagaaacccaagaacccaaacccaagaacccaagaacccaagaacccaagaacccaagaacccaaacccaagaacccaaacccaagaacccaaacccaagaacccaaacccaagaacccaacccaagaacccaacccaagaacccaaaccc

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

2PE 1.9 cell 5 eccese ecces ecce2PEcell 6 2PEm1 cell 8 $\frac{1}{2}$ 2PEm2 cell 9 eccepecce et eccepecce e2PEd+cell 5 2PEd+cell 6

2PEm1d+	cell 8	cecceccecceccecceccecceccccccccccccccc
2PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatccaagaggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc$
1PEe 0.98	cell 7	eccececececececececececececececececece
1PEe	cell 8	ecceccecceccecceccecceccecceccecccccccc
1PEem1	cell 8	ececececececececececececececececececec
1PEem2	cell 9	ecceececececececececececececececececec
1PEed+	cell 7	eecceecceccecceccecceccccccccccccccccc
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eccececececececececececececececececece

1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		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 gggaaaacccg acct gggaaacccg acct gggaaaacccg acct gggaaacccg acct gggaaacccg acct gggaaaacccg acct gggaaaacccg acct gggaaacccg acct gggaaacccg acct
6xdlPLZ 5.8	cell 5	ee
6xdlPLZ	cell 6	ee
6xdlPLZm1	cell 8	ee
6xdlPLZm2	cell 9	ee
6xdlPLZd+	cell 5	ee
6xdlPLZd+	cell 6	ee
6xdlPLZm1d+	cell 8	ee
6xdlPLZm2d+	cell 9	ee
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZ	cell 2	eeceeeeeeeets eeceeeets eeceeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm2	cell 9	eeeeeeeeeetseeeeeetseeeeeeeeeeeeeeeeeee
6xEtPLZd+	cell 1	eeeeeeeeeeetseeeeetseeeeeetseeeeeeeeeee
6xEtPLZd+	cell 2	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
6xEtPLZm1d+ 6xEtPLZm2d+	cell 8 cell 9	eeeeeeeeeetseeeeetseeeeeetseeeeeeeeeeee
	cen 9	eeceeeeeeets eeceeets eeceeeeeeeeeeeeeee