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

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

		1
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1	cell 8	ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		ecceeccececcececcececcececcecececececece
vnmelm2	cell 9	ecceececececececececececececececececec
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmeld+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceecceecceecceecceecceecceecceec
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeec
vnmeld+	cell 6	ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
•		ecceeecceeecceeecceeecceeecceteecceeeccedeecceeecceeecceeecceecc
		ecceeecceeecceeecdecceeecdecceeecceeeccdeceecceeecceeecceeecceecceeecceeecceeeccee
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		ecceccccccccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1d+	cell 8	000000000000000000000000000000000000000
,,		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
VIIII1011111201	con o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
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		ecceccecceccecceccecceccecceccecceccecc
		CONTROL CONTRO

vnvir 3	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeccecceccecceccccccccccccccccccccc
		eecceeccecceccecceccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvir	cell 8	eecceeccecceccecceccccccccccccccccccccc
		ecceecececececececececececececececececec
		ecceecececececececececececececececececec
		eeccecceccecceccecccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm1	cell 8	eecceeccecceccecceccceccccccccccccccccc
		ecceeecceeecceeecceeecceeecceeecceeecceeetseecceeedecceeeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeee
vnvird+	cell 7	eecceeecceeecceeecceeecceeecceeecceee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvird+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		ee
		eeceeeeceeeeceeeeceeeeceeeceeeceeeceee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvirm1d+	cell 8	eeceeeeceeeeceeeeceeeeceeeceeeceeeceee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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m vnvirm2d+	cell 9	eccececececececececececececececececece
		a atgggaaaacatgcggtgggaaaaacacatcgcgaaacatttggcgcaacttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacaacatcgcgaaaacatttggcgcaacatgggaagacacatggggaaacacttgctggggaagagggaagggcaagtggcgggaatttcctgattcgcgatgccatgaggaactcgcatatgttgagcacatgttttgggggaaattcccgggcgacgggcaggaactcaacgtcctgtcctgcgtgggaaaagccaaaggcaaaagccaaaggaaataacgtcctgtcctgcgtgggaaaagccaaaggcaaaagccaaaggaaataacgtcctgtcctgcggggaaaagccaaaggaaaagccaaaggaaaaagcaaaagaaaagcaaaagaaaaagcaaaagaaaaaa
		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	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
,		eececececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececedeccedeccececececececececec
rhovird+	cell 6	ecceeecceeecceeecceeecceeecceeecceeec
		ecceccecceccecceccecccccccccccccccccccc
		ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececedececedecececececececececec
rhovirm1d+	cell 8	ecceeecceeecceeecceeecceeecceeecceeec
		eccececcececcecceccecccccccccccccccccc
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeecceecceeeccee
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
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vnmelm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm2	cell 9	ecceeecceeecceeecceeecceeecceeecceeec
		ecceeecceeecceeecceeecceeecceecceeccee
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		ecceccecceccecceccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnmeld+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
,		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccececcecedecceccececceccecedeccecc
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vnmeld+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
viiiicia <sub> </sub>	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
rmmolm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1d+	cen 8	eccecececececececececececececececececece
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vnmelm2d+	cell 9	eeceeeceeeceeeceeeceeeceeeceeeceeecee
		eccecececececececececececececececececece
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		eececeececeececececececececececececece
4.1.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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vnvirm2d+	cell 9	ecceececeecececececececececececececece
		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
		et e e e e e e e e e e e e e e e e e e
		ec
		ecceccecceccecceccecceccecceccccccccccc
rho2216t1t2s4a	cell 13	ecceccecceccecceccecceccecceccecceccecc
11102210010254a	Cell 19	
		ecceccecceccecceccecccccccccccccccccc
		ecceecceetecceecceecceecceecceecceeccee
		ecceccecceccecceccecceccccccccccccccccc
mb = 221 G+1+2 = 4 = m 1	0.011 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1	cell 8	ecceeccececcececcececceccecceccecceccccc
		000000000000000000000000000000000000000
		ecceeccececcecceccecceccccccccccccccccc
		eccececeetseccececececececececececececec
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
1 00101110 1 0	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

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	-1	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 10	ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
${\rm rho}2216{\rm t}1{\rm t}2{\rm s}4{\rm ad}+$	cell 13	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececet ecceecececececececececececece
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		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeceets ecceeeceeceeceeceeceeceeceeceeceeceecee
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		ecceecceccecceccecccecccccccccccccccccc
		ecceecceccecceccecceccccccccccccccccccc
rho2216t1t2s4am2d+	cell 9	ecceecescecceccecceccecceccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
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		ecceccecceccecceccecceccecceccecceccecc
		$attecce \\ tegateca \\ aagatat \\ tetea \\ attecce \\ tttt \\ gaatea \\ aca \\ agta \\ aaatat \\ tte \\ aaa \\ aattecce \\ tegate \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaa \\ ttte \\ aaaa \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaa \\ ttte \\ aaaa \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaaa \\ ttte \\ aaaaa \\ ttte \\ ttte \\ aaaaa \\ ttte \\ ttte \\ aaaaa \\ ttte \\ t$
		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
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

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	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		aaagatatteteaateeetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtatteeegteegeateee aacaegeataetteeeaggeatttteeeaaategagagaaaaaceeaaagaataaceeaaggagaaaateagaggegtegagtea aggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeegetegagaaaategaaateeeegeegeet
		gacgtcatacctgccgatgccgcagcttccgccattgagtgggagcgggatggcaagacaagcgagcg
2PE 2	cell 5	
2F E 2	cen 5	ececececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		eceeeececeeteceeececeeececeecececececec
2PE	cell 6	ececececececececececececececececececec
21 12	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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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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agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc1PEe 1 cell 7 1PEe cell 8 1PEem1 cell 8 1PEem2 cell 9 1PEed+ cell 7 1PEed+cell 8 ecceperecepereceperecepetsecceptsecceperecepereceped eccepereceper 1PEem1d+ cell 8 1PEem2d+cell 9 atcctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgag atcctgggaaaacccga 6xdlPLZ 6.1 cell 5 eeeteeedeeeeeeee 6xdlPLZ cell 6 eeeteeedeeeeeeee 6xdlPLZm1 cell 8 eeeteeedeeeeeeee

6xdlPLZm2

6xdlPLZd+

cell 9

cell 5

eeeteeedeeeeeeee

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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	eeeeeeeeeeeseeeseeseeseeeeeeeeeeeeeeee
$6xEtPLZd+ \\ 6xEtPLZm1d+ \\ 6xEtPLZm2d+$	cell 2 cell 8 cell 9	ecceecceceetseccecetseccecececcecceccecccccccc
		agetttteetetgeteaaaateaaaatgattaaaacaacagtttgatacgaattttaatteeeetttttgetgeggagteagttaagtgallen agettiseet and the second control of the second control o
		$gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctg\\ ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacac$
		caagtggcgggaattteetgattegcgatgeeatgaggeactegeeaagettgaegegttgttttgggggaaatteeegggegageeaggaateaaegteetgteetgegtgggaaaageeaegteetaeeeaegteetaeetggttaeetgagttgttttggtaeggtggetgaeettgeeagtgeeagtggteeatgteetgeeatgteetgeeatgteetgeeagtgeeatgteetgeeat
rho2216t1t2s4a 3.1	cell 10	eccecceccecceccecceccccccccccccccccccc
		eccecececeteccecececececececececececece
rho2216t1t2s4a	cell 13	ececececececececececececececececececec
		ecceecceecceecceecceecceecceecceecceec
		ecceecceetecceecceecceecceecceecceeccee
rho2216t1t2s4am1	cell 8	ecceecceccecceccecceccccccccccccccccc
		ecceecceecceecceecceecceecceecceecceec

		etseeeeseeedeeceeeeeeeeeeeeeeeeeeeeeeeee
		eeccecececececececececececececececececec
		ecceecceccecceccecceccceccccccccccccccc
rho2216t1t2s4am2	cell 9	ecccecesecccccccccccccccccccccccccccccc
		eccececececececececececececececececece
		ecceececececececececececececececececec
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		eecceeccecceccecceccccccccccccccccccccc
rho2216t1t2s4ad +	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		ecceeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
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rho2216t1t2s4ad+	cell 13	ecceececececececececececececececececec
		ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
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rho2216t1t2s4am1d+	cell 8	eecceeecceecceeccececcecceccecccecccec
		eccceccccccccccccccccccccccccccccccccc
		000000000000000000000000000000000000000
		eccceecectseccceccccccccccccccccccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
rho2216t1t2s4am2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11102210t1t284a1112u+	cen 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		ecceccececceccecceccecccccccccccccccc
		etsecececedececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		atteeeategateennagatattetennteeeetttttantennenaatannatttannnatttannanttaaa
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtat ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaa
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 1	cell 5	000000000000000000000000000000000000000
11 12 1	cen o	999999999999999999999999999999999999999
		ecceecceccecceccecceccecceccecceccccccc

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	0011 0	ecceeecceeecceecceectseecceetseecceeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1	cell 8	000000000000000000000000000000000000000
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
1PEm2	cell 9	ecceececececececececececececececececec
		ecceeecceeecceeecceeecceeetseecceeeccee
		ecceececececececececececececececececec
1PEd+	cell 5	ecceececececececececececececececececec
		ecceeecceeecceeecceeecceeetsceeecceeecc
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
1PEd+	cell 6	ecceeeecceeecceeecceeecceeecceeecceee
		ecceeecceeecceeecceeecceeetseecceeeccee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	eccecececececececececececececececececece
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
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		$ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccaggcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc}\\$
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2PE 2	cell 5	ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccaggcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcctgcgctcgagaaatccagagagag
2PE 2	cell 5	ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacacgaaaatcccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaatcgagagaaaacccaaagaataacccaagagaaaaccgaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccagcgcgctgagccgagcgag
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacccaagagaaaatccagagcgtcgagtcaagcctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccggccgctgcgctcgagtcaagccgagagcggagcgagc
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2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattccccgtccgcatccaacaggcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatccaagagaaaatccagagcggcgggaggaggaggagggggggg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccaagagcgtcgagtcaaggctctcttcaatttagctttgattttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatccaagagaaaatccagagcggcgggaggaggaggagggggggg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatccaagagagaacccaaggcgggggggg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaggagtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacaggcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacccaaggaaaaatccagagggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgctggagtcaaggctaactcgccgatgccgcagttccgccattgagtgggagggggggg
2PE 2 2PE	cell 5	ccgtccgcatcccaacacgcatacttcccagcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagatcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagataattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccagagcgtcgagtcaaggctcatacctgccgatgccgcagcttccgcattgagtgggagcgggatggcaagacagagagag
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		eecceeecceeecceeecceeecceeecceeecceee
		ecceececeecececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeeecceeeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeeccee
		ecccecccccccccccccccccccccccccccccccccc
		$eccececee \dagger eccecececececececececececece$
		0.0000000000000000000000000000000000000
2PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 23112	con o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		ecceccecetteccecceccecceccecceccecceccec
2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2FEu+	cen 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecce
		eeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeeccee
		$eecceeeccee \dagger eecceeecceecceecceecceecce$
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeceeeeteeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceeecceeecceeecceeecceeecceeecceee
2PEm1d+	cell 8	eecceeecceeecceecceecceecceecceecceecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
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		eeceeeceeeceeeceeeceeeceeeceeeceeeceeeceee
2PEm2d+	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
•		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee \\ cegteeegeateeeaacaegeataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaagagaaacagaaaaatee \\ agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$ 

1PEe 1	cell 7	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeeeceeeeceeeeceeeeceeeeceeeeceee
		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	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		at cctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcctgggaaaaacccgagatcgagatcgagatcctgggaaaaacccgagat
		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
		aaaaaaaaaaaaaaaatcca tatgagatcca tatgaga
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
		eceeececeeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
rho2216t1t2s4am2	cell 9	$eccecees \\ eccecees $
		ecceccecceccecceccecceccccccccccccccc
		eccececececececececececececececececece
		ececeeeeets ececeeeeeeeeeeeeeeeeeeeeeeee
		etsee ee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad +	cell 10	eccececececececececececececececececece
		et e ce e
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceececececececececececececececececece
		eceeeeceeeteeeeceeeceeeceeeceeeceeeceee
		eteeeceeeceeceeceeceeceeceeceeceeceeceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	000000000000000000000000000000000000000
·		000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		ececececet <mark>.s</mark> ececececececececececececececececececec
		etseeceseceedecececececececececececececece
		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	eeceeeeceeeeceeeceeetseeectseeceeeeceee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2	cell 9	ecceccecceccecceccecceccecceccecceccecc
11 11112	cen o	eeceeeeceeeeceeeceeetseeectseeceeeceeece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
II Ed	cen o	eeceeeeceeeeceeeceeetseeectseeceeeceeece
		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
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagaaaacccaaagagaaacagaaaaatccaaagagaaaacccaaagagaaaacccaagagaaaaacccaaagagaaaacccaaagaaaaacccaaagagaaaacccaaagagaaaacccaaagagaaaacccaaagaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaaacccaaagaaaacccaaagaaacccaaagaaaacccaaagaaacccaaagaaacccaaagaaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaaacccaaagaacccaaaacccaaagaacccaaagaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaacccaaaccc
		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 caa g 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 aate gaaa te ceeegeete gagaaa aate gaaa a
		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 expression and the properties of the proper2PEm1 cell 8 eccepecee eteccepecee eccepecee eccepece eccepecee eccepecee eccepecee eccepecee eccepecee 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 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	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
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
		${\bf sttsttstttsts}{\bf stttssee} ee e e ttttstee e e e e teteststetstsee e e ttstetettst ttttsttttteet stetesteen e e e e e e e e e e e e e e e e e e$
		$t_{\tt SttSS} ttttttstddtttststtttetttteettsttsttettstetttststeetttttt$
		$t_{stt}$
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
		tsttsttttsttsttsttsttsttsttstddtttttstsstttttstttttstsee ettee ee ee etttste tetes
		teeettetteettttsttsteetstttttststtttststttstsee
		occount to control to the transfer of the tran

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
		000000000000000000000000000000000000000
		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 $
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee et tttee ee ee et sttstett et tde tee ee ttst tot ee ee ee ttsttstettett de tee ee et tst stettett de tee ee e$
		${\bf sttttee etsetets t stette ee etts seet te ee eetts setette ee eetts sttttts stttdtt sett stee ee eetts seed to see ee ee to seed to see ee ee$
		tttetteee ete ete ete ete ete ete ete e
		sts tettee e ett ss e ette e e e ett ss e tetete e e e ett ss tttt ss tttt ss tttt st tttt ttt
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 $
		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 settetteee eetts sttttts stttts sttttts sttttt stattetteed titteett stattttt stattetteed titteet statttt stattetteed titteet stattt stattett stattett stattett stattett stattett stattett stattett stattett stattett stattet stattett stattet stat
		$\mathbf{s}ttttttttttttsttstttssttttttssttttttsstttt$
2PEd+	cell 5	eccecceccecceccecceccecceccecccccccccc
		ececeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		ececececetecececececececececececececece
2PEd+	cell 6	ceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 Du	CCII	ecceccecceccecceccecceccecceccccccccccc
		ecceccecceccecceccecceccecceccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell	ee eettstsee eettttette ee ete et ststst te ee ee ett sttset ett te ee et ett stst te ett stst te ett stst te ee et ett stst te ett stst te ee et ett stst te ee et ett stst te ett stst te ett stst te ett stst te ee ett stst te ee ett stst te ee ett stst st te ee ett stst st te ett stst te ee ett stst st te ee ett st st st te ee ett st st st te ee ett st st st te ee ee ett st st st te ee ee ett st st st te ee ee ett st st st st te ee ee ett st s
		${\bf ststtsttttstttettstttstttsettstttsdtdttstettstttseede tee e et ttte e e tee e e e e e e e$
		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 tettee e etts seette e e e $
		$\frac{27}{tttetteee eteets tststteee eettsttset ett teee etetts st teettse etts tst ttd ttts tst tst ttt st ttett tst tte ett st tst t$
		·

		$attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc\\ ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaaacagaaaaatcc\\ agagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc\\$
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	${\bf sttttee etsetets} {\bf stettee eetts seettee ee etts setetee ee etts sttttts sttee} ee ee ettst see ee ettst see ee ettst setettee ee ettst stettee ee ettst stettee ee ettst setetts stteel etts stteel etts stteel etts stette ee ettst seetts statt dett de ee ettst seet ettst seetts statt dett de ee ee ettst seet ett$
		${\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	${\bf stttteeets} et et {\bf ststetteee ettss} e etteee ettsset et ee ee ettsst sttettee ettsst sttettee ettsst stteet etteee ettsst stteet ettsset ettss$
		${\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	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	eeeteedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell	CECTECCTECCT
		tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttt
6xdlPLZm2d+	cell	sttttttstttsdddttts
		tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttt
		${f s}$ tttttttstttsdddttts
		aaaaaaaaaaaaaaaatccatatgagatccatatatgagat
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
		$t_{\mathbf{S}} tt \mathbf{S} tt $
rho2216t1t2s4am2	cell	tee et te tee et tt tee et tt te te te t
		$tt_{\textbf{s}} sete tee ee teett tt stt stt stt stt st$
		${\bf s} ttstt{\bf s} ttt{\bf s} tt{\bf t} {\bf s} see ee et tttste ee ee et te ee et et ts{\bf t} {\bf s} te{\bf t} {\bf s} te ee et tst te et t{\bf s} ttt{\bf t} ttt{\bf t} ttt{\bf t} ttt{\bf t} te e{\bf t} {\bf t} {\bf t} t$
		$t_{\mathbf{S}}tts_{\mathbf{S}}tttttttstddttts_{\mathbf{S}}tttttetttteetts_{\mathbf{S}}ttetts_{\mathbf{S}}teetttttteeteeteeteeteeteetest_{\mathbf{S}}tts_{\mathbf{S}}tst_{\mathbf{S}}t$
		tsttsttttsttsttsttsttsttsttsttttsddtttttstsstttttstttttstsee 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 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 te et tetst ts ttsttsttsttsttsttsttsttsttsttstts
		${\bf s} ttst{\bf t} {\bf t} $
		tsttssttttttstddtttststtttetttteettsttsttettstetttsteetttttt
		tsttsttttsttsttsttsttsttsttttsddtttttstts
rho2216t1t2s4am2d+	cell	tee et te te et tt te et te te te te te
		tts set et ee ee te et tt stt st ts tt st ts tt st tt st ts tt st s
		${\bf s} ttstt{\bf s} ttt{\bf s} tt{\bf t} {\bf s} see ee et tttste ee ee et ee ee et et st{\bf s} tet{\bf s} t{\bf s} ee et tst te et {\bf s} t{\bf t} ttt ttt tt te et {\bf s} te t{\bf t} t{\bf $
		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
		tee ettettee etttteettettsttsteetststttttststtttststttstee
		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	$\mathbf{s} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{s} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{e} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{s} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{t} \mathbf{t} \mathbf{t} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} \mathbf{e} e$
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEd+	cell 5	stttteetsetetststetteeettssetteeeettsseteteeeettssttttsstteee eeeeeeee
1PEd+	cell 6	ecceecceecceecceecceecceecceecceecceec
1PEm1d+	cell	ee
		${\bf s} t s t t s t t t t t t t t t t t t t $
1PEm2d+	cell	s t t t e e t s t t t e e e t t s e e t e e e e t t s s t e e e e e t t s s t e e e e e t s t t e e e e e t t s t t e e e e e t t t s t e e e e t t t s t t e e e e e t t t s t t e e e e t t t s t t e e e e t t t t e e e t t t t e e e t t t t e e e e t t t t e e e e t t t t e e e e t t t t t e e e t t t t t e e e t t t t e e e t t t t t e e e t t t t t e e e t t t t t e e e t t t t t e e e t t t t e e e t t t t e e e t t t t t e e e t t t t t e e e t t t t t e e t t t t e e e t t t t t e e e t t t t t t e e e t t t t t e e e t t t t e e e t t t t e e e t t t t e e e t t t t t e e e t t t t e e e t t t t t t t t
		${\bf ststtsttttstttettstttsttteettsttsdtdttstettstttseede tee et tttee et ee e e e e e e e e $
		${\bf sttttee et s} {\bf tete ee et t s} {\bf sette te ee e et t s} {\bf sette te ee e e e e e e e e e e e e e e$
		attcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaggggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaacacgcatacttccaacacgtatttcccaacagagaaaaatatttcaaaaattgccgacaattccctctgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgcgctcgagaaaatccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgctgagcagagcggagggggggg
2PE 2	cell 5	ececececececececececececececececececec
2PE	cell 6	eccecceccecceccecccccccccccccccccccccc

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 te ee et t {\bf s} se t te ee ee et t {\bf s} se te te ee ee et t {\bf s} st tt t t t t t t t t t t t t t t t $
		tttetteee ete ete stst st te ee ee ett st se tettee ee et ett se tetts et ett 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+	Cen 5	eccecececececececececececececececececece
		eceeeeceeeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeeceeecee
		eccececececececececececececececececece
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ececeeeceeteeceeeceeeceeceeceeceeceeceec
2PEd+	cell 6	000000000000000000000000000000000000000
ZF EQ+	cen o	eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eceeececeececececececececececececececece
		ee
		ecceececececececececececececececececec
		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 e et et ts state e e et et ts state e e e et tst see e et et ts state e e e e et e e e e e e e e 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	$ee e et t \underline{s} t s e e e e t t t t e e e e e e e t \underline{s} t \underline{s} t t e e e e e e t \underline{t} t \underline{s} t t e e e e e t \underline{t} t \underline{s} t t e e e e t \underline{t} t \underline{t} t \underline{t} t t e e e e e e t \underline{t} \underline{t}$
		${\bf s} tsttsttttstttettsttttsttteettsttsdtdttstettstttseedeteeetttteeeteee$
		${\bf s} ttttee {\bf e} {\bf t} {\bf s} tet {\bf t} {\bf t} e {\bf e} {\bf e} t {\bf t} {\bf s} {\bf e} e {\bf t} t {\bf e} e {\bf e} e {\bf t} {\bf t} {\bf s} e {\bf e} e {\bf e} {\bf t} {\bf t} {\bf s} e {\bf e} e {\bf e} {\bf t} {\bf t} {\bf s} e {\bf e} e {\bf e} {\bf t} {\bf t}$
		$tttetteeeeteets t \underline{s}tst teeeeet tst \underline{s}tst teeee et \underline{t}t\underline{s}tst teetett \underline{s}eet \underline{t}st \underline{s}tt \underline{t}tt \underline{t}t \underline$
		${\bf ststettee e e t t s s e t t e e e e e t t s s e t e t$
		${\bf stttttttttttttttttttttttttttttttttttt$

		ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagaaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PEe 1	cell 7	ecceecceecceecceecceecceecceecceecceec
		eceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
4 D.E.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1	cell	eee ceee eee ee ee ee ee ee ee ee ee ee
11 150111	cen	${\bf ststtsttttstttettstttsttteettsttstddttettstttseddeteeetttteeeteee$
		stttteeetsetetststetteeeettsseetteeeeettsseteteeeeettsstttttsstteee
1PEem2	cell	eeeettstseeettttetteeeeteetstststteeeeettststetteeeettststtette
		${\bf s} t s t t s t t t t t t t t t t t t t $
		${\bf s} ttttee et {\bf s} tette ee et t {\bf s} se et te ee ee et t {\bf s} se te te ee ee et t {\bf s} st ttt t {\bf s} st te ee$
1PEed+	cell 7	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	0.11.0	000000000000000000000000000000000000000
ir Lea+	cell 8	eccecceccecceccecceccecceccecccccccccc
		eccecececececececececececececececececece
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} t s t t t t t t t t t t t t t t t t $
		${\bf sttttee etsetets} {\bf tetee e e etts} {\bf seette e e e e e tts set tete e e e e e$
		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
		tttstttsdddtttsttttsstdddtttstttttstdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttstttsdddtttstttttt
		sttttttstttsdddttts
6xdlPLZm2	cell	
		tttstttsdddtttsttttstttsdddtttstttttt
		sttttttstttsdddttts
6xdlPLZd+	cell 5	eeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZd+	cell 6	eceeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

ccgtcccgcatcccaacacgcatacttcccagggattttcccaaatcgagggaaaacccaaagaataacccaagagaaacagaaaaatcc

6xdlPLZm1d+	cell	
		tttstttsdddtttsttttsstttsdddtttstttttstts
		${f stttttttstttsdddttts}$
6xdlPLZm2d+	$\operatorname{cell}$	
		tttstttsdddtttsttttsstttsdddtttstttttstttsdddtttstttttt
		sttttttstttsdddttts
		aaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa
6xEtPLZ 0	cell 1	eceeeeceeeets ee eceeeeets ee eceeeeceee
6xEtPLZ	cell 2	eeeeeeeeets eeeeeeets eeeeeeeeeeeeeeeee
6xEtPLZm1	cell	$ee ee eet tet te et et t \underline{s} \underline{t} \underline{t} \underline{t} \underline{t} \underline{t} \underline{t} \underline{t} t$
6xEtPLZm2	cell	$ee ee eet tet te et et t \underline{s} \underline{t} \underline{t} \underline{t} \underline{t} \underline{t} \underline{t} \underline{t} t$
6xEtPLZd+	cell 1	ee ee ee ee ee ee e e e e e e e e e e
6xEtPLZd+	cell 2	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee
6xEtPLZm1d+	cell	$ee ee et tet te et et t \underline{s} t \underline{t} \underline{t} \underline{t} \underline{t} \underline{t} \underline{t} \underline{t} \underline$

 $6xEtPLZm2d + \quad cell \quad \quad eeeeettetteetetts sttstttetts sttstttetts sttstttetts sttstttetts sttstttetts stelle telle statistietett statistette statistietett statistietet statistietet statistietett statistietet statistietet$