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

rhomel 2.9	cell 10	ecceececececececececececececececececec
rhomel	cell 13	eccecceccecceccecceccecceccecceccecccccc
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	ecceccecceccecceccecceccccccccccccccc
		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
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecce
		ecceccccccccccccccccccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1d+	cell 8	000000000000000000000000000000000000000
,,		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
VIIII1011111201	con o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		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	eecceeccecceccecceccceccccccccccccccccc
		ecceeecceeecceeecceeecceeecceeecceeecceeetseecceeedecceeeccee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm2	cell 9	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeee
vnvird+	cell 7	eecceeecceeecceeecceeecceeecceeecceee
		eecceeeceeeceeeceeeceeeceeeceeeceeecee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeee
vnvird+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		ee
		eeceeeeceeeeceeeeceeeeceeeceeeceeeceee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeee
vnvirm1d+	cell 8	eeceeeeceeeeceeeeceeeeceeeceeeceeeceee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeee

m vnvirm2d+	cell 9	eccececececececececececececececececece
		$a atgggaaaacatgcggtgggaaaaacacatcgcgaaacatttggcgcaacttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacaacatcgcgaaaacatttggcgcaacatgggaagacacatggggaaacacttgctggggaagagggaagggcaagtggggggaatttcctgattcgcgatgccatgaggaacatcgcatatgttgagcacatgttttgggggaaattcccgggcgacgggcaaggacaggaatcaacgtcctgtcctgcgtgggaaaagc}\\$
		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
		eccececececedececedecececececececececec
rhovir	cell 6	000000000000000000000000000000000000000
		000000000000000000000000000000000000000
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeecceecceeeccee
rhovirm1	cell 8	eececececececececececececececececececece
1110 / 111111	0011 0	epecepecepecepecepecepecepecepecepecepe
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eccececececedeccedeccececececececececec
rhovirm2	cell 9	
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eccececececedeccedeccececececececececec
rhovird+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
,		eececececececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececedeccedeccececececececececec
rhovird+	cell 6	ecceeecceeecceeecceeecceeecceeecceeec
		ecceccecceccecceccecccccccccccccccccccc
		ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececedececedecececececececececec
rhovirm1d+	cell 8	ecceeecceeecceeecceeecceeecceeecceeec
		eccececcececcecceccccccccccccccccccccc
		ecceeeeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeecceecceeeccee
rhovirm2d+	cell 9	ecceeecceeecceeecceeecceeecceeecceeec
·		ecceeccececcececcececcececceccecccccccc
		ecceeeecceeeecceeecceeecceeecceeeccee
		ecceeecceeeccedeeccedeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeeccee

1.0	11 =	
vnmel 3	cell 5	eeceeeeceeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeceeceeceeceeceeceeceeceeceecee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeceeeceeceeceeceeceeceeceeceeceece
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmel	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm2	cell 9	ecceeecceeecceeecceeecceeecceeecceeec
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceecceeccee
		ecceccecceccecceccecccccccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmeld+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
,		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeccececcecedecceccececcecececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmeld+	cell 6	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
viiiicia	cen o	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
rmmolm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm1d+	cen 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
1 01:	11 .0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnmelm2d+	cell 9	eeceeeceeeceeeceeeceeeceeeceeeceeecee
		eccecececececececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		eececeececeececececececececececececece
4.1.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
vnvirm1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeee
vnvirm2d+	cell 9	ecceececeecececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccececececececececececececececececece
		eeeeeeeeeeeeeeeeeeee
		agettttcctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattcccctttttgctgcggagtcagttaagtgatt
		gtcgctttcaggactcagggcatcatccagatcgcacgatcccatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgcagatcgcatttgcatctgcatttgcatctgccttctcagaagctgcttgaaagacgcgcccctgcatttgcatctgcatttgcatctgcatttgc
		ggatgattagtgctaagatccttgggcaggatggaaaaatgggaaaaacatgcggtgggaaaaacacacac
		ttgcggaagacaagtgcggctgcaacaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaggacaccttgctgtgcggcgggaaaaaaggacaccttgctgtgcgcgggaaaaaaggacaccttgctgtgcgcgggaaaaaaaggacaccttgctgtgcgcggaaaaaaaggacaccttgctgtgcgcggaaaaaaaa
		caagtgg cgg gggaattteetgattegegatgeeatgaggeactegeeaagettgaegegttgttttgggggaaatteeegggegatgegatgegatgeegggggaatteeegggegatgeg
		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
		ecceecceccecceccecceccccccccccccccccccc
		ececececetsecececececececececececececece
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
1 00101110 1 0	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am2	cell 9	eeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeee

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeee
		etseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
	-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
		$attecce \\ tegateca \\ aagatat \\ tetea \\ attecce \\ tttt \\ gaatea \\ aca \\ agta \\ aaatat \\ tte \\ aaa \\ aattecce \\ tegate \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaa \\ ttte \\ aaaa \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaa \\ ttte \\ aaaa \\ attecce \\ tegate \\ attecce \\ tegate \\ aaaaa \\ ttte \\ aaaaa \\ aaaa \\ ttte \\ aaaaa \\ ttte \\ aaaaa \\ aaaaa \\ ttte \\ aaaaa \\ ttte \\ aaaaa \\ ttte \\ aaaaa \\ aaaaa \\ ttte \\ aaaaa \\ aaaaa \\ ttte \\ aaaaa \\ aaaaaa$
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaacaac
		${\bf c} {\bf a} {\bf g} {\bf a} {\bf g} {\bf c} {\bf t} {\bf c} {\bf a} {\bf g} {\bf g} {\bf c} {\bf t} {\bf c} {\bf t} {\bf t} {\bf t} {\bf d} {\bf t} {\bf t} {\bf t} {\bf g} {\bf c} {\bf t} {\bf t$
1PE 1	cell 5	
IFE I	cen o	eeeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceececececececececececetsecececececec
1DE	11 <i>C</i>	666666666666666666666666666666666666666
1PE	cell 6	eecceeccecceccecceccecccccccccccccccccc
		eecceecececececececececececetscecececece
		eecceccecceccecceccecceccecceccecceccec

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
		ecceeecceeecceeecceeecceeecceeecceeec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
2PEm1	cell 8	eccecececececececececececececececececece
	5011 0	

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

attcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc

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

eeeteeedeeeeeeee

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	ecceecceccecceccecceccecceccccccccccc
		ecceecceecceecceecceecceecceecceecceec

		etseeeeseeedeeceeeeeeeeeeeeeeeeeeeeeeeee
		eeccecececececececececececececececececec
		ecceecceccecceccecceccceccccccccccccccc
rho2216t1t2s4am2	cell 9	ecccecesecccccccccccccccccccccccccccccc
		eccececececececececececececececececece
		ecceececececececececececececececececec
		ecceeceets ecceeceeceeceeceeceeceeceeceeceeceeceec
		ets eccee
		eecceecececececececececececececececece
		eecceeccecceccecceccccccccccccccccccccc
rho2216t1t2s4ad +	cell 10	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeee
		et ee e
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4ad+	cell 13	ecceececececececececececececececececec
		ecceccecceccecceccecceccccccccccccccc
		ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeet eeeeeeeeeeeeeeeeeeeeeeeeeee
		eteeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1 00101110 4 11.	11.0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
rho2216t1t2s4am1d+	cell 8	eecceeecceecceecceccecceccecccecccccccc
		eccceccccccccccccccccccccccccccccccccc
		000000000000000000000000000000000000000
		eccceecectseccceccccccccccccccccccccccc
		etseeeeseeedeeeeeeeeeeeeeeeeeeeeeeeeeee
		eccecececececececececececececececececece
rho2216t1t2s4am2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
11102210t1t284a1112u+	cen 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		000000000000000000000000000000000000000
		eccececececececececececececececececece
		etsecececedececececececececececececececece
		ecceccecceccecceccecceccecceccecceccecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		atteeeategateennagatattetennteeeetttttantennenaatannatttannnatttannanttaaa
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtat ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaa
		cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgc
1PE 1	cell 5	000000000000000000000000000000000000000
11 12 1	cen o	999999999999999999999999999999999999999
		ecceecceccecceccecceccecceccecceccccccc

		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PE	cell 6	ecceccecceccecceccecceccecceccecceccecc
	0011 0	eceeeeceeeeceeeeceeetseeeceeetseeeceeece
		000000000000000000000000000000000000000
1PEm1	cell 8	000000000000000000000000000000000000000
		ecceeeecceeeecceeecceeecceeecceeeccee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
1PEm2	cell 9	ecceececececececececececececececececec
		ecceeecceeececeececeeetseececeeecececece
		ecceecceccecceccecceccccccccccccccccccc
1PEd+	cell 5	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceecceccecceccecceccccccccccccccccccc
1PEd+	cell 6	ecceeeecceeecceeecceeecceeecceeecceee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm1d+	cell 8	ecceecceccecceccccccccccccccccccccccccc
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEm2d+	cell 9	ecceececececececececececececececececec
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcc
		attcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatcccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacccaagagaaacagaaaaatccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaaacccaagagaacccaagagaaacccaagagaacccaagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagagaacccaagaac
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaacgcatactcccaggcattttcccaaatcgagagaaaacccaaagaaaaacccaaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacagaaaaatccaaagagaaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaacccaaagaacccaaacccaaagaacccaaaccaaacccaac
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccaagagagacgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaacgcatactcccaggcattttcccaaatcgagagaaaacccaaagaaaaacccaaagagaaaacagaaaaatccaagagaaaacccaaagagaaaacagaaaaatccaaagagaaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaagagaacccaaacccaaagaacccaaacccaaagaacccaaaccaaacccaac
		$ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacacgaaaatcccaggcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtcccgcatccc}\\$
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccagaggctcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccaaagaataacccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatcccccgccgcct
		ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccaggcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaaggaaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcctgcgcgctgagacaatccccgccgcctcgagaaatccccgcgcgctgcgctcgagaaatccccgcgcgcg
		ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccagaggctcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccaaagaataacccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatcccccgccgcct
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccaggcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaaggaaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcctgcgcgctgagacaatccccgccgcctcgagaaatccccgcgcgctgcgctcgagaaatccccgcgcgcg
2PE 2	cell 5	ccgtcccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacacgaaaatcccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccgaaaatccagagcgtcgagtcaagcctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaaatccagagcgcgctgagccgagcggagcggagcggagggggggg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaacccaagagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccggccgctgcgctcgagaaaatcgaaatccccggccgctgcgctcgagaagacaagcgagagaga
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccggcgctgcggctgagccgcgctgcgctcgagaaaatccccggcgcctgcgctcgagaaaatccccggcgcctgcgcgctgcgagaagacaagcgagaggaggagggggggg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatccaagagaaaatccagagcgcgcgc
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatcccaagagctcgatcaaggctcgatcatttagctttgattttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcccgtccgcatccaacaggcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcggtcgagaaaatccaagagaaaatccagagcggcgggaggaggaggagggggggg
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatccaaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgcttgagcagacgagcgag
2PE 2	cell 5	ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaggagtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattccccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaaccaagagaaaatccagaggtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgctcgagaaaatcgaaatccccgccgcttgagacgagcgag
2PE 2 2PE	cell 5	ccgtccgcatcccaacacgcatacttcccagcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagataattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctgtattcccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaaatccagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcgctcgagaaaatcgaaatccccgccgcttgagtcaaggctcatacctgccgatgccgcagcttccgcattgagtgggagcgggaggggaggcgagagaga
		ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccaaagagtcaattcccttttaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaaagaatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgtattcccgtccgcatccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacacgaaaatccagagcgtcagtca
		ccgtccgcatcccaacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatc cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatcc aaagatattctcaatcccctttttgaatcaacagtaaaatatttcaaaaattgccgacaattccctcgtattcccgtccgcatccc aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaaatccagagcgtcgagtca aggctctttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgcggtcgagaaaaatccagagagcggcgcgcgc
		ccgtccgatcccaacacgcatacttccaagcattttccaaatcgagagaaaacccaaagaataacccaagagaaacagaaaatccaagagctcgagtcaaggctccttcaatttagctttgaatttgctgtattttcgttttgcagccgccgctgccgcaattcccgtcgatccaacaggagattccatcca

		eecceeecceeecceeecceeecceeecceeecceee
		ecceececeecececececececececececececece
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeecceeecceeecceeecceeecceeecceeecceeecceeeccee
		ecccecccccccccccccccccccccccccccccccccc
		ecceeeecceeeecceeecceeecceeecceeecceeecceeecceeecceeecceeecceecceeecceeeccee
		ecccecccccccccccccccccccccccccccccccccc
		eeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
2PEm2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 151112	cen b	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ec
		ecceecceccecceccecceccecceccccccccccc
		eccecececececececececececececececececece
		$ecceeeccee \dagger ecceeecceecceecceecceecceec$
add 1.	11 -	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 5	eeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEd+	cell 6	ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eecceeecceeecceecceecceecceecceecceecc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm1d+	cell 8	ecceeecececececececececececececececece
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeteeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
2PEm2d+	cell 0	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
21 Lili2(1	COII J	ecceeccecceccecceccecceccecceccecceccec
		eecceeecceeecceecceecceecceecceecceecceecceecceecceecceecceecce

 $attecegtegatecaaagatatteteaateceetttttgaateaacaagtaaaatattteaaaaattgeegacaatteeetegtattee \\ cegteeegeateeeaacaegeataetteeeagggatttteeeaaategagggaaaaceeaaagaataaceeaagagaaacagaaaaatee \\ agagegtegagteaaggetetetteaatttagetttgaatttgetgtattttegttttgeageegeegetgeege$

1PEe 1	cell 7	ecceececececececececececececececececec
		eeceeeeceeeeceeeeceeeeceeeeceeeeceeee
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEe	cell 8	ecceececececececececececececececececec
		ecceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		ecceececececececececececececececececec
1PEem1	cell 8	ecceccecceccecceccecceccccccccccccccc
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 7	ecceececececececececececececececececec
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEed+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem1d+	cell 8	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
1PEem2d+	cell 9	eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeceeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		atcctgggaaaacccgagatgatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcgagatcctggaaacccgagatcgaga
		atcctgggaaaacccga
6xdlPLZ 6.1	cell 5	eeeeeedeeeeeeeeeeeeeeedeeeeeeeeeeeeeee
		eeeteeedeeeeeeee
6xdlPLZ	cell 6	ecceeedecceeeceeeceeedecceeedecceeeceedecceeeceedecceeeceedecceeeceedecceeecee
		eeeteeedeeeeeeee
6xdlPLZm1	cell 8	ecceeedecceeeceeeceeedecceeedecceeeceedecceeeceedecceeeceedecceeeceedecceeecee
		eeeteeedeeeeeeee

6xdlPLZm2	cell 9	ee
6xdlPLZd+	cell 5	eceeee deceeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZd+	cell 6	ecceedeceeeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm1d+	cell 8	ecceeedeceeeeeeeeeeeeeeeeeeeeeeeeeeeee
6xdlPLZm2d+	cell 9	eeceeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee
		aaaaaaaaaaaatccatatgagatccatatatgagatccatatgagatccatatatgagatcca
6xEtPLZ 0	cell 1	ecceeeeceeets eeceeeets eeceeeeceeeceeeceeeceeeceeeceeeceeecee
6xEtPLZ	cell 2	eeeeeeeeeets eeeeeeeets eeeeeeeeeeeeeee
6xEtPLZm1	cell 8	eeeeeeeeeets eeeeeeets eeeeeeeeeeeeeeee

6xEtPLZm2

6xEtPLZd+

6xEtPLZd+