

Model	Cell	Sequence
rhomel 2.9	cell 10	<pre> ##### #####d##### #####t#####d#####d##### ##### </pre>
rhomel	cell 13	<pre> ##### #####d##### #####t#####d#####d##### ##### </pre>
rhomelm1	cell 8	<pre> ##### #####d##### #####t#####d#####d##### ##### </pre>
rhomelm2	cell 9	<pre> ##### #####d##### #####t#####d#####d##### ##### </pre>
rhomeld+	cell 10	<pre> ##### #####d##### #####t#####d#####d##### ##### </pre>
rhomeld+	cell 13	<pre> ##### #####d##### #####t#####d#####d##### ##### </pre>
rhomelm1d+	cell 8	<pre> ##### #####d##### #####t#####d#####d##### ##### </pre>
rhomelm2d+	cell 9	<pre> ##### #####d##### #####t#####d#####d##### ##### </pre>

[illegible]

[illegible]

gtcaagggtgcacacacacctacctcgctgggaaaaatgtccattgcgctctcgggctaagctgttttggttgccgggcacaggtaaca
ggcggtagggcaacgttgcaaccggcaaatgtgctgtgc**caatg**tttgctcc**ggaaattcc**cgctgcacgccttaccgcctgcctttt
tatgttgaatttttctatcacttggc**gggtttttc**cgggccactggc**ggaaattc**acaatgtgccactggccacaggcagaaagt
caaccaaacgcgttacaaaaattattataaaatgtgtattattaaatgccaaattgcgtccaatcatccgcagttctctgccggccggc
aagctgacctgtgctaaacaaaaatcaaaaaaaaaaaaaaaaaacagccaaattgccgtgctgctgcacaaatgcgagcgcgcgcgc
gggctccaactggccactggggcaagctg

[illegible]

[illegible]

rhomel	cell 13	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
rhomelm1	cell 8	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
rhomelm2	cell 9	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
rhomeld+	cell 10	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
rhomeld+	cell 13	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
rhomelm1d+	cell 8	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
rhomelm2d+	cell 9	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
<pre> aaaacacacgcacgcacgcatagaaattaacacgtagtttagcggaactttgtggcaagtgaacaaaagtgaagtcgcggacga ttcaaatgaaaatctgcaatgctgcggaaggagcaaggacaaccacactgtctatgagtggtgcgagtggtggtgtgtgtgtg cgagtgtgtgtgcgtgctgtgtgtgcaacaagtcggaaattcctgaatcgcatgtggcacgacatgtcgagcgggaaaaaacgc tcgatgctcgggtccaaggaattcccgagccaagggaagtcgccccaaacacgccccaaaagcgcgcaattatgattac </pre>		
rhovir 2.1	cell 5	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
rhovir	cell 6	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
rhovirm1	cell 8	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>
rhovirm2	cell 9	<pre> eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee </pre>

Cell	Condition	Genomic Region	Genomic Coordinates	Genomic Context
rhovird+	cell 5	chr10:10,000,000-10,000,000	10,000,000-10,000,000	chr10:10,000,000-10,000,000
rhovird+	cell 6	chr10:10,000,000-10,000,000	10,000,000-10,000,000	chr10:10,000,000-10,000,000
rhovirm1d+	cell 8	chr10:10,000,000-10,000,000	10,000,000-10,000,000	chr10:10,000,000-10,000,000
rhovirm2d+	cell 9	chr10:10,000,000-10,000,000	10,000,000-10,000,000	chr10:10,000,000-10,000,000
vnmel 3	cell 5	chr10:10,000,000-10,000,000	10,000,000-10,000,000	chr10:10,000,000-10,000,000
vnmel	cell 6	chr10:10,000,000-10,000,000	10,000,000-10,000,000	chr10:10,000,000-10,000,000
vnmelm1	cell 8	chr10:10,000,000-10,000,000	10,000,000-10,000,000	chr10:10,000,000-10,000,000
vnmelm2	cell 9	chr10:10,000,000-10,000,000	10,000,000-10,000,000	chr10:10,000,000-10,000,000

vnmeld+	cell 5	<pre> ee ee ee ee ee ee ee </pre>
vnmeld+	cell 6	<pre> ee ee ee ee ee ee ee </pre>
vnmelm1d+	cell 8	<pre> ee ee ee ee ee ee ee </pre>
vnmelm2d+	cell 9	<pre> ee ee ee ee ee ee ee </pre>

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gtcaagggtgcacacacaccctacctgcgtgggaaaatgtccattgcgctctcgggctaagctgttttggtggcgggcacaggtaaca
ggcgttagggcaacgttgcaaccggcaaatgtggctgtgccccacatgtttgtgcccgaattcccggtgcacgccttaccgcctgccttt
tatgttgaaatttttctatcacttggcgggttttccgggccaactggcggaattccacaatgtcgccaactggccacaggcagaaagtg
caaccaaacgcgcttacaaaaattattataaaatgtgtattattaaatgccaaattgcgtccaatcatccgcagtctctgccggccggc
aagctgaccgtgtgctaacaataatcaaaaaaaaaaaaaaacagccaaaattgccgtggctgtgtgcacaaacatgcgagcgcgcgcgc
gggctccaactggccaactggggcaagctg

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vnvir 3	cell 7	<pre> ee ee ee ee ee ee ee </pre>
vnvir	cell 8	<pre> ee ee ee ee ee ee ee </pre>
vnvirm1	cell 8	<pre> ee ee ee ee ee </pre>

[illegible]

[illegible]

attcccgctgatccaaagatatcttcaatccccttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgattcc
ccgtcccgcattccaacgcatacttccaggcattttcccaaatcgagagaaaacccaagaataacccaagagaaca~~gaaaaatc~~
cagagcgctgagtcaggctctcttcaatttagctttgaatttgctgtattttcgtttgcagccgccgctgccgc

attccgctgatccaaagatatcttcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgattccc
ccgctcccgcatcccaacacgcatacttcccaggcattttcccaatcgagagaaaacccaaagaataacccaagagaaaca**gaaaaatc**
cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttgagccgccgtgccgaattcccgatcc
aaagatatctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgatttcccgcctccgcatccc
aacacgcatacttcccaggcattttcccaatcgagagaaaacccaaagaataacccaagagaaaca**gaaaaatcc**agagcgtcgagtca
aggctctcttcaatttagctttgaatttgctgtattttcgtttgagccgccgtgccgctcgagaaaatcgaaatccccgc**cgctt**
gacgtcatacctg**cgcatg**ccgcagcttcgccattgagtgaggcgggatggcaagacaagcgagcgagcgggacgacgatagagcgcg
gcagcgaatggccgctcgagcagccgcaaaatgtcaatttgagcaatggccggaag

[illegible]

6xdlPLZm1d+	cell 8	<p>eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeedeeeeee eeeteeddeeeeeeeeee</p>
6xdlPLZm2d+	cell 9	<p>eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeedeeeeee eeeteeddeeeeeeeeee</p> <p>aaaaaaaaagatccatagatccatatgagatccatatgagatccatatgagatccatatgagatccatatga</p>
6xEtPLZ 0	cell 1	<p>eeeeeeeeeeeeetseeeeeeeetseee</p>
6xEtPLZ	cell 2	<p>eeeeeeeeeeeeetseeeeeeeetseee</p>
6xEtPLZm1	cell 8	<p>eeeeeeeeeeeeetseeeeeeeetseee</p>
6xEtPLZm2	cell 9	<p>eeeeeeeeeeeeetseeeeeeeetseee</p>
6xEtPLZd+	cell 1	<p>eeeeeeeeeeeeetseeeeeeeetseee</p>
6xEtPLZd+	cell 2	<p>eeeeeeeeeeeeetseeeeeeeetseee</p>
6xEtPLZm1d+	cell 8	<p>eeeeeeeeeeeeetseeeeeeeetseee</p>
6xEtPLZm2d+	cell 9	<p>eeeeeeeeeeeeetseeeeeeeetseee</p> <p>agcttttctctgctcaaaatcaaatgattaaaacaacagtttgatacgaattttaattccctttttgctgcgagtcagttaagt gtcgctttcaggactcaggcatcatccagatcgcacgatccatttgcatctgccttctcagaagctgcttgaaagacgcgccctg ggatgattagtgtcaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacatcgcgaaacatttggc ttgcggaagacaagtgcggtgcaaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacacctgtgtgtcgcgcggg caagtggcgggcgggaatttctgattcgcatgccatgaggcactcgccaagcttgacgcgttgtttgggggaaattccgggcga gccaggaatcaacgtctgtctgtcggtgggaaaagccacgtctaccacgcccactcggttacctgaattcgagctcgagtgttt gtggctgagattgctttgttacgttggtgaccttgccagtgccagtgggtccatgtcc</p>
rho2216t1t2s4a 3.1	cell 10	<p>ee ee ee eteeeeeeeeeddeeddeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeeeeeddeee ee</p>
rho2216t1t2s4a	cell 13	<p>ee ee eeeeeeeeeeeeetee eteeeeeeeeeddeeddeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeeeeeddeee ee</p>
rho2216t1t2s4am1	cell 8	<p>ee ee ee etseeeeseeeddeeddeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeseeeddeeeesee ee</p>
rho2216t1t2s4am2	cell 9	<p>eeeeeeeseeeeeeeeeeeeeseeeeeeeeesee ee ee</p>

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

atcctcgggaaaaccaggagatgatcctcgggaaaaccgacctgggaaaaccggagatcctcgggaaaaccgagatcctcgggaaaaccg
atcctcgggaaaaccgga

6xdlPLZ 6.1	cell 5	eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeesceeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeed eeeteeedeeeeeeeeee
6xdlPLZ	cell 6	eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeesceeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeed eeeteeedeeeeeeeeee
6xdlPLZm1	cell 8	eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeesceeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeed eeeteeedeeeeeeeeee
6xdlPLZm2	cell 9	eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeesceeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeed eeeteeedeeeeeeeeee
6xdlPLZd+	cell 5	eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeesceeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeed eeeteeedeeeeeeeeee
6xdlPLZd+	cell 6	eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeesceeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeed eeeteeedeeeeeeeeee
6xdlPLZm1d+	cell 8	eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeesceeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeed eeeteeedeeeeeeeeee
6xdlPLZm2d+	cell 9	eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeesceeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeed eeeteeedeeeeeeeeee

aaaaaaaaagatccatgagatccatatgagatccatatgagatccatatga

[illegible]

agcttttctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattccccttttgcctcggagtcagttaagt
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ggatgattagtgtctaatgcttgggcaggatggaaaaatggaaaaatgcggtgggaaaaacacacatcgcgaaacatttggc
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caagtggcggggcgaaatttctgattcgcgatccatgaggcactcgcaagcttgacgcgttgttttgggggaaattcccgggcga
gccaggaatacaagctctgtcctgcgtgggaaaagcccagctcctaccacgcccactcggttacctgaattcgagctcgagtgttt
gtggctgagattgcttggtagcgtggctgaccttgccagtgccagtgggtccatgtcc

rho2216t1t2s4a 2.8	cell 10	<pre> ##### ##### ##### #####t##### et#####d#####d##### #####d##### </pre>
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[illegible]

atcccgctgatccaaagatatcttcaatcccttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtattcc
ccgtcccgcgatcccaacagcatacttccaggcattttcccaaatcgagagaaaacccaagaataaccaagagaaacagaaaaatcc
agagcgtcgagtcaaggctcttccaatttagctttgaatttgctgtattttcgtttgcagccgccgtgccgcaattccctcgtatcc
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aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaagaataaccaagagaaacagaaaaatccagagcgtcgagtca
aggctcttccaatttagctttgaatttgctgtattttcgtttgcagccgccgtgccgctcgagaaaaatcgaaatccccgccgcctg
acgtcatactgccgatgccgcagcttccgcattgagtgaggcgaggatggcaagacaagcgagcgagcgggacgacgatagagcggcg
gcagcgaatggccgtcgagcagccgcaaaatgtcaatttgagcaatggccggaag

2PE 1.9	cell 5	<pre> ##### #####d##### ##### ##### #####d##### #####s### #####t##### ##### </pre>
2PE	cell 6	<pre> ##### #####d##### ##### ##### #####d##### ##### </pre>

		<p> eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee eee eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee </p>
1PEe	cell 8	
1PEem1	cell	<p> eeeetttseeeeettttteteeeteeetstststttteeeettsttsettttteeettsttsteettseettststtdttt stststttttstttettstststttteettststsdtdttettsttseddeteetttteeeteeettstttettetttdeteeet sttteeetsetetststtetteeettsseeteeettsseteteteeetteeettstttttsttee eeeetttseeeeettttteteeeteeetstststttteeeettsttsettttteeettsttsteettseettststtdttt stststttttstttettstststsdtdttettsttseddeteetttteeeteeettstttettetttdeteeet sttteeetsetetststtetteeettsseeteeettsseteteteeetteeettstttttsttee eeeetttseeeeettttteteeeteeetstststttteeeettsttsettttteeettsttsteettseettststtdttt stststttttstttettstststsdtdttettsttseddeteetttteeeteeettstttettetttdeteeet sttteeetsetetststtetteeettsseeteeettsseteteteeetteeettstttttsttee eee eeeeeeeeeeeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee </p>
1PEem2	cell	
1PEed+	cell 7	
1PEed+	cell 8	
1PEem1d+	cell	<p> eeeetttseeeeettttteteeeteeetstststttteeeettsttsettttteeettsttsteettseettststtdttt stststttttstttettstststsdtdttettsttseddeteetttteeeteeettstttettetttdeteeet sttteeetsetetststtetteeettsseeteeettsseteteteeetteeettstttttsttee eeeetttseeeeettttteteeeteeetstststttteeeettsttsettttteeettsttsteettseettststtdttt stststttttstttettstststsdtdttettsttseddeteetttteeeteeettstttettetttdeteeet sttteeetsetetststtetteeettsseeteeettsseteteteeetteeettstttttsttee eeeetttseeeeettttteteeeteeetstststttteeeettsttsettttteeettsttsteettseettststtdttt stststttttstttettstststsdtdttettsttseddeteetttteeeteeettstttettetttdeteeet sttteeetsetetststtetteeettsseeteeettsseteteteeetteeettstttttsttee </p>
1PEem2d+	cell	
		<p> atcctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgag atcctgggaaaacccga </p>
6xdlPLZ 5.8	cell 5	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZ	cell 6	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZm1	cell	<p> ttsttttsdddttsttttsstttsttttsdddttsttttssttttsdddttstttttsttttsdddttstttttsttttsdddttt stttttsttttsdddttts </p>
6xdlPLZm2	cell	<p> ttsttttsdddttsttttsstttsttttsdddttsttttssttttsdddttstttttsttttsdddttstttttsttttsdddttt stttttsttttsdddttts </p>
6xdlPLZd+	cell 5	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZd+	cell 6	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZm1d+	cell	<p> ttsttttsdddttsttttsstttsttttsdddttsttttssttttsdddttstttttsttttsdddttstttttsttttsdddttt stttttsttttsdddttts </p>
6xdlPLZm2d+	cell	<p> ttsttttsdddttsttttsstttsttttsdddttsttttssttttsdddttstttttsttttsdddttstttttsttttsdddttt stttttsttttsdddttts </p>

6xEtPLZ 0	cell 1	eeeeeeeeeeeeetstseeeeeeeetseee
6xEtPLZ	cell 2	eeeeeeeeeeeeetstseeeeeeeetseee
6xEtPLZm1	cell	eeeeetttteteetstststtttststststtttststststtttststststtttststststtttstsee
6xEtPLZm2	cell	eeeeetttteteetstststtttststststtttststststtttststststtttststststtttstsee
6xEtPLZd+	cell 1	eeeeeeeeeeeeetstseeeeeeeetseee
6xEtPLZd+	cell 2	eeeeeeeeeeeeetstseeeeeeeetseee
6xEtPLZm1d+	cell	eeeeetttteteetstststtttststststtttststststtttststststtttststststtttstsee
6xEtPLZm2d+	cell	eeeeetttteteetstststtttststststtttststststtttststststtttststststtttstsee

[illegible]

[illegible]

stststttsttttettstttsttttettsttsdtdttstettstttseedeteeettttteeeteeettsttstettettdeeteeet
sttttteeetsetetststetteteeettssheeteeeeettsseteteteeeeetteteeetttsssttttsttttee

attccgcgcatccaaagatatcttcaatccccttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgattcc
ccgctccgcatcccaacacgcatacttccaggcattttcccaaatcgagagaaaacccaaagaataaccaagagaaacagaaaaatcc
agagcgtcgagtcaaggctcttcaatttagctttgaatttgctgtattttcgtttgcagccgcgctgccgcaattcccgctgatcc
aaagatatctcaatccccttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgattccccgctccgcatccc
aacacgcatacttcccaggcattttcccaaatcgagagaaaacccaaagaataaccaagagaaacagaaaaatccagagcgtcgagtca
aggctctcttcaatttagctttgaatttgctgtattttcgtttgcagccgcgctgccgctcgagaaaatcgaaatccccgccgcctg
acgtcatactgccgatgccgcagcttccgccattgagtgaggagcggatggcaagacaagcgagcgagcgggacgacgatagagcggcg
gcagcgaatggccgtcgagcagccgcaaaatgtcaatttagcaatggccggaag

[illegible]

2PE	cell 6	<pre> ##### #####d##### ##### ##### #####cd##### #####seeee #####t##### ##### </pre>
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2PEm1 cell eeee**ttst**sseeee**tttt**ett~~eeee~~ee**tee**tt**stst**tt~~eeeeee~~**ettstt**set**tttt**eeee**ttttss**tee**ttt**seet**ttst**tttdttt
ststttttttttett**st**tttt**ttt**ee**ttst**tsdtdttstett**tttt**seedetee**tttt**eeet~~eeee~~**ttst**stett**tt**det~~eeee~~t
sttteeet**set**ett**st**stett~~eeee~~**ttss**ee**tt**eeee**ttss**et**tt**et~~eeee~~**ett**eeee**ttss**tttt**sttt**tdtttsett**st**s~~eeee~~t
tttett~~eeee~~tee**tee**tt**stst**tt~~eeeeee~~**ettstt**set**tttt**eeee**ttttss**tee**ttt**seet**ttst**tttdttts**stst**ttttttttett**st**tttt**ttt**ee**ttst**tsdtd
ststett~~eeee~~**ttss**ee**tt**eeee**ttss**et**tt**et~~eeee~~~~eeee~~~~ttsstttt**ss**tttt**sttt**ett~~ee~~dt~~tt~~ee**ttst**tttttt~~

[illegible][illegible]

2PEd+ cell 6

[illegible]

[illegible]

rho2216t1t2s4a	cell 13	et
rho2216t1t2s4am1	cell 8	et
rho2216t1t2s4am2	cell 9	et
rho2216t1t2s4ad+	cell 10	et
rho2216t1t2s4ad+	cell 13	et
rho2216t1t2s4am1d+	cell 8	et
rho2216t1t2s4am2d+	cell 9	et


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#####d#####
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1PE 0.97	cell 5	<pre> ##### #####ts#####d##### ##### </pre>
1PE	cell 6	<pre> ##### #####ts#####d##### ##### </pre>
1PEm1	cell 8	<pre> ##### #####ts#####d##### ##### </pre>
1PEm2	cell 9	<pre> ##### #####ts#####d##### ##### </pre>
1PEd+	cell 5	<pre> #####s##### #####tseedde#####te#####d##### ##### </pre>
1PEd+	cell 6	<pre> ##### #####ts#####d##### ##### </pre>
1PEm1d+	cell 8	<pre> #####s##### #####tseedde#####te#####d##### ##### </pre>
1PEm2d+	cell 9	<pre> ##### #####ts#####d##### ##### </pre>

2PE 1.9	cell 5	<pre> ##### #####d##### ##### ##### #####d##### #####s##### #####t##### </pre>
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[illegible]

attcccgctgatccaaagatatatttcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgattcc
ccgtcccgcataccaaacgcatacttccagggtattttccaaatcgaggga^{aa}acc^{cc}aaagaataacccaagagaaacagaaaaatcc
agagcgtcgagtcaaggctcttctaatttagctttgaatttgctgtattttcgtttgcagccgcgcgtgcccgc

atctctg**ggaaaaccc**gagatgatctctg**ggaaaaccc**gacctg**ggaaaaccc**gagatctctg**ggaaaaccc**gagatctctg**ggaaaaccc**gag
at**ctctgggaaa**acccga

35

6xdlPLZd+	cell 5	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee
6xdlPLZd+	cell 6	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee
6xdlPLZm1d+	cell 8	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee
6xdlPLZm2d+	cell 9	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee

aaaaaaaaagatccatagatccatagatccatagatccatagatccatagatccatagatccatagatccatga

6xEtPLZ 0	cell 1	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZ	cell 2	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZm1	cell 8	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZm2	cell 9	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZd+	cell 1	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZd+	cell 2	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZm1d+	cell 8	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZm2d+	cell 9	eeeeeeeeeeee e s e eeeeeeee e s e ee

agcttttctctgctcaaaatcaaatgattaaaacaacagtttgatacgaattttaattccccttttctgctgaggagtcagttaagt
gtcgtttcaggactcaggcatcatccagatcgcacgatccatttgcatctgccttctcagaagctgctgaaagacgcgccctg
ggatgattagtctaagatccttgggcaggatggaaaaatgggaaacatgcggtgggaaaaacacacatcgcgaaacatttggc
ttgcggaagaca**agtg**cggtgcaacaaaagtcgcgaaacgaaactctggaagcggaaggaacaccttgctgtgcggcgga
caagtgcgggcggaatttctgattcgcatgccatgaggcactcgccaagcttgacgcgttggtttgggg**gaaattcc**ggggcga
gccaggaatcaacgtcctgtcctg**ctggg**aaaag**ccacgtc**ctaccacgcccactcggttacctgaattcgagctcgagtgttt
gtggctgagattgctttgttacggtggctgaccttgccagtgccagtgggtccatgtcc

rho2216t1t2s4a 2.7	cell 10	ee ee eeeeeeeeeeee t ee e t d eeeeeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee d ee ee ee ee ee eeeeeeeeeeee t ee e t d eeeeeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee d ee ee ee ee eeeeeeeeeeee t s e ee e t s eeee s ee d ee d eeeeeeeeeeee eeeeeeeeeeeeeeeeeeee s ee d ee s s ee
rho2216t1t2s4a	cell 13	ee ee ee eeeeeeee t ee e t d eeeeeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeee d ee ee ee ee eeeeeeeeeeee t s e ee e t s eeee s ee d ee d eeeeeeeeeeee eeeeeeeeeeeeeeeeeeee s ee d ee s s ee
rho2216t1t2s4am1	cell 8	ee ee ee eeeeeeee t s e ee e t s eeee s ee d ee d eeeeeeeeeeee eeeeeeeeeeeeeeeeeeee s ee d ee s s ee

rho2216t1t2s4am2	cell 9	<pre> ee eeeeeeeeeseeeeeeeeeeeeeseeeeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee ee ee eeeeeeeeetseee etseeeeeeeedeeedeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeedee ee </pre>
rho2216t1t2s4ad+	cell 10	<pre> ee ee ee eeeeeeeeetee eteeeeeeeeedeeedeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeedee ee </pre>
rho2216t1t2s4ad+	cell 13	<pre> ee ee ee eeeeeeeeetee eteeeeeeeeedeeedeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeedee ee </pre>
rho2216t1t2s4am1d+	cell 8	<pre> ee ee ee eeeeeeeeetseee etseeeeseeedeeedeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeseeedeeeesee ee </pre>
rho2216t1t2s4am2d+	cell 9	<pre> eeeeeeeeeseeeeeeeeeeeeeseeeeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee ee ee eeeeeeeeetseee etseeeeeeeedeeedeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeedee ee </pre>
1PE 0.97	cell 5	<pre> attccgctgatccaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgtat ccgtccgcgatccaacacgcatacttccaggcattttcccaatcgagagaaaacccaagaataaccaagagaacagaa cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtatttcgttttgcagccgccgctgccgc </pre>
1PE	cell 6	<pre> ee eeeeeeeeeeeeeeeeeeeeeeeeetseedeeee ee </pre>
1PEm1	cell 8	<pre> ee eeeeeeeeeeeeeeeeeeeeeeeeetseedeeee </pre>

[illegible]

[illegible]

6xEtPLZd+	cell 1	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZd+	cell 2	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm1d+	cell 8	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm2d+	cell 9	eeeeeeeeeeeeeeetseeeeeeeetseee
		<p>agcttttctctgctcaaaatcaaatgattaaaacaacagtttgatacgaattttaattccctttttgctgcggagtcagttaagtgcgctttcaggactcagggcacatccagatcgcacgatccatttgcatctgccttctcagaagctgcttgaaagacgcgccctgggatgattagtctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacatcgcgaaacatttggcgttgcggaagacaagtgcggtgcaacaaaagtgcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggcaagtggcgggcgggaatttcttgattcgcatgccatgaggcactcgccaagcttgacgcgttggttttgggggaaattccgggcgagccaggaatcaacgtcctgtcctgcgtgggaaaagccacagctctaccacgcccactcggttacctgaattcgagctcgagtgtttgtggctgagattgctttgtacggtggctgaccttgccagtgccagtgggtccatgtcc</p>
rho2216t1t2s4a 2.2	cell 10	<p>ee</p> <p>ee</p> <p>ee</p> <p>eeeeeeeeeeetee</p> <p>eteeeeeeeeedee</p> <p>eeeeeeeeeeeeeeeeeeeeeeeeedee</p> <p>ee</p>
rho2216t1t2s4a	cell 13	<p>ee</p> <p>ee</p> <p>ee</p> <p>eeeeeeeeeeetee</p> <p>eteeeeeeeeedee</p> <p>eeeeeeeeeeeeeeeeeeeeeeeeedee</p> <p>ee</p>
rho2216t1t2s4am1	cell 8	<p>ee</p> <p>ee</p> <p>ee</p> <p>eeeeeeeeeeetseee</p> <p>etseeeeeedee</p> <p>eeeeeeeeeeeeeeeeeeeeeseeedeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee</p> <p>ee</p>
rho2216t1t2s4am2	cell 9	<p>eeeeeeeeeseeeeeeeeeeeseeeeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee</p> <p>ee</p> <p>ee</p> <p>eeeeeeeeeeetseee</p> <p>etseeeeeedee</p> <p>eeeeeeeeeeeeeeeeeeeeedee</p> <p>ee</p>
rho2216t1t2s4ad+	cell 10	<p>ee</p> <p>ee</p> <p>ee</p> <p>eeeeeeeeeeetee</p> <p>eteeeeeeeeedee</p> <p>eeeeeeeeeeeeeeeeeeeeedee</p> <p>ee</p>
rho2216t1t2s4ad+	cell 13	<p>ee</p>

[illegible]

[illegible]

Cell	Condition	Genotype	Phenotype
cell 6	2PEd+	cell 6	cell 6
cell 8	2PEm1d+	cell 8	cell 8
cell 9	2PEm2d+	cell 9	cell 9
cell 7	1PEe 0.91	cell 7	cell 7
cell 8	1PEe	cell 8	cell 8
cell 8	1PEem1	cell 8	cell 8
cell 9	1PEem2	cell 9	cell 9
cell 7	1PEed+	cell 7	cell 7
cell 8	1PEed+	cell 8	cell 8
cell 8	1PEem1d+	cell 8	cell 8

45

[illegible]

eeeeeeeeetstee
etseeeeeeeeeedeeedeeeeeeeeeeee
eeeeeeeeeeeeeeeeeeeeeeeeedee
ee

attcccgatcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgattcc
ccgtcccgcacccaacacgcatacttccaggcattttcccaaatcgagagaaaacccaagaataacccaagagaaacagaaaaatc
cagagcgtcgagtcaaggctcttcaatttagctttgaatttgctgtattttcgttttgagccgcccgtcgccgc

1PE 0.87	cell 5	ee eeeeeeeeeeeeeeeeeeeeeeeeetsteeedeeeeee ee
1PE	cell 6	ee eeeeeeeeeeeeeeeeeeeeeeeeetsteeedeeeeee ee
1PEm1	cell 8	ee eeeeeeeeeeeeeeeeeeeeeeeeetsteeedeeeeee ee
1PEm2	cell 9	ee eeeeeeeeeeeeeeeeeeeeeeeeetsteeedeeeeee ee
1PEd+	cell 5	eeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeetseedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeteeeeeeeeedeeeeee ee
1PEd+	cell 6	ee eeeeeeeeeeeeeeeeeeeeeeeeetsteeedeeeeee ee
1PEm1d+	cell 8	eeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeetseedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeteeeeeeeeedeeeeee ee
1PEm2d+	cell 9	ee eeeeeeeeeeeeeeeeeeeeeeeeetsteeedeeeeee ee

attcccgatcgatccaaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgattcc
ccgtcccgcacccaacacgcatacttccaggcattttcccaaatcgagagaaaacccaagaataacccaagagaaacagaaaaatc
cagagcgtcgagtcaaggctcttcaatttagctttgaatttgctgtattttcgttttgagccgcccgtcgccgaattcccgtcgatcc
aaagatattctcaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgattcccgtcccgcaccc
aacacgcatacttccaggcattttcccaaatcgagagaaaacccaagaataacccaagagaaacagaaaaatccagagcgtcgagtca
aggctcttcaatttagctttgaatttgctgtattttcgttttgagccgcccgtcgccgtcgagaaaaatcgaaatccccgcgcct
gacgtcatacctgacgatgccgagcttcgccattgagtgaggagcgggatggcaagacaagcagcagcgggacgacgatagcgggcg
gcagcgaatggcgtcgagcagccgcaaatgtcaatttgagcaatggccggaag

2PE 1.7	cell 5	ee ee ee ee ee
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[illegible]

[illegible]

6xdPLZm2	cell 9	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeedeeeeeesseeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>
6xdPLZd+	cell 5	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeedeeeeeesseeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>
6xdPLZd+	cell 6	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeedeeeeeesseeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>
6xdPLZm1d+	cell 8	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeedeeeeeesseeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>
6xdPLZm2d+	cell 9	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeedeeeeeesseeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>

aaaaaaaaagatccatatgagatccatatgagatccatatgagatccatatgagatccatatga

[illegible]

attcccgatccaagatattctcaatccccttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgat
ccgtcccgcacccaacacgcatacttccaggcatatttcccaatcgagagaaaacccaaagaataacccaagagaaaacaga
cagagcgctcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttgagccgccgctgccgc

[illegible]

[illegible]

6xEtPLZm1	cell 8	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm2	cell 9	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZd+	cell 1	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZd+	cell 2	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm1d+	cell 8	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm2d+	cell 9	eeeeeeeeeeeeetseeeeeeeetseee

```

agcttttctctgctcaaaatcaaatgattaaaacaacagtttgatacgaattttaattccctttttgctgcggagtcagttaagt
gtcgctttcaggactcaggcatcatccagatcgacgatccatttgcatctgccttctcagaagctgcttgaaagacgcgccctg
ggatgattagtctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacatcgcgaaacatttggc
ttgcggaagacaagtgcggctgcaaaaaagtgcggaacgaaactctgggaagcggaaggaacacattgtctgtgcggcggg
caagtggcgggcgggaatttcttgattcgcatgccatgaggcactcgccaagcttgacgcgttgttttgggggaaattccgggcga
gccaggaatcaacgtctctgtcctgcgtgggaaaagccacgtctaccacgcccactcggttacctgaattcgagctcgagtgttt
gtggctgagattgctttgtacgttggtgaccttgccagtgccagtgggtccatgtcc

```

rho2216t1t2s4a 2.7	cell 10	eee eee eee eeeeeeeeeetee eteeeeeeeeedee eeeeeeeeeeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee
rho2216t1t2s4a	cell 13	eee eee eee eeeeeeeeeetee eteeeeeeeeedee eeeeeeeeeeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee
rho2216t1t2s4am1	cell 8	eee eee eee eeeeeeeeeetseee etsseeeeseeedee eeeeeeeeeeeeeeeeeeeeeeseeeddeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee
rho2216t1t2s4am2	cell 9	eeeeeeeeseeeeeeeeeeeseeeeeeeeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee eee eeeeeeeeeetseee etsseeeeeedee eeeeeeeeeeeeeeeeeeeeeeddeee eee
rho2216t1t2s4ad+	cell 10	eee eee eee eeeeeeeeeetee eteeeeeeeeedee eeeeeeeeeeeeeeeeeeeeeeddeee eee


```

#####t#####d#####
#####

```

[illegible][illegible][illegible]

[illegible]

[illegible]

[illegible]

1PE 0.97	cell 5	<pre> ##### #####ts#####d##### ##### </pre>
1PE	cell 6	<pre> ##### #####ts#####d##### ##### </pre>
1PEm1	cell 8	<pre> ##### #####ts#####d##### ##### </pre>
1PEm2	cell 9	<pre> ##### #####ts#####d##### ##### </pre>
1PED+	cell 5	<pre> #####s##### #####tsedd#####d#####t#####d##### ##### </pre>
1PED+	cell 6	<pre> ##### #####ts#####d##### ##### </pre>
1PEm1d+	cell 8	<pre> #####s##### #####tsedd#####d#####t#####d##### ##### </pre>
1PEm2d+	cell 9	<pre> ##### #####ts#####d##### ##### </pre>

2PE 1.9 cell 5

```

#####
#####d#####
#####
#####
```

[illegible]

[illegible]

6xdPLZm1	cell 8	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>
6xdPLZm2	cell 9	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>
6xdPLZd+	cell 5	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>
6xdPLZd+	cell 6	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>
6xdPLZm1d+	cell 8	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>
6xdPLZm2d+	cell 9	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeee eeeteeedeeeeeeeeee </pre>

aaaaaaaaagatccatatgagatccatatgagatccatatgagatccatatgagatccatatga

[illegible]

attccgcgtgatccaaagatattctaatcccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattcccctcgat
ccgtcccgcgatcccaacacgcatacttccagggcattttcccaatcgagagaaaacccaagaataaccaagagaaacagaa
cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgttttcagccgccgctgccgc

[illegible]

6xEtPLZ 0	cell 1	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZ	cell 2	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm1	cell 8	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm2	cell 9	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZd+	cell 1	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZd+	cell 2	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm1d+	cell 8	eeeeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm2d+	cell 9	eeeeeeeeeeeeeeetseeeeeeeetseee

agcttttctctgctcaaaatcaaaatgattaaaacaacagtttgatacgaattttaattccctttttgctgcggagtcagttaagt
gtcgctttcaggactcaggcatcatccagatcgacgatccatttgcatctgccttctcagaagctgcttgaaagacgcgccctg
ggatgattagtgtctaatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacatcgcgaaacatttggc
ttgcggaagacaagtgcggtgcaaaaaagtgcgcgaaacgaaactctgggaagcggaaaaaggacacctgtgtgtcggcggg
caagtggcgggcgggaatttctgattcgcatgccatgaggcactcgccaagcttgacgcgttgttttgggggaaattcccgggcga
gccaggaatcaacgtctctgtcctgcgtgggaaaagccacagtcctacccacgcccactcggttacctgaattcgagctcgagtgttt
gtggctgagattgctttgttacggtggctgaccttgccagtgccagtgggtccatgtcc

rho2216t1t2s4a 2.7	cell 10	ee ee ee eeeeeeeeeeetee eteeeeeeeeeeedeeedeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeeeeedee ee
rho2216t1t2s4a	cell 13	ee ee ee eeeeeeeeeeetee eteeeeeeeeeeedeeedeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeeeeedee ee
rho2216t1t2s4am1	cell 8	ee ee ee eeeeeeeeeeetseee etseeeeeeeedeeedeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeeeseeeedeeeesee ee
rho2216t1t2s4am2	cell 9	eeeeeeeseeeeeeeeeeeseeeeeeeeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee ee ee eeeeeeeeeeetseee etseeeeeeeedeeedeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeeedee ee
rho2216t1t2s4ad+	cell 10	ee ee ee eeeeeeeeeeetseee etseeeeeeeedeeedeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeeedee ee

		<pre> eteeeeeeeeeddeeddeeeeeeeeeee ee ee rho2216t1t2s4ad+ cell 13 eee ee ee ee eeeeeeeeetee eteeeeeeeeeddeeddeeeeeeeeeee ee ee rho2216t1t2s4am1d+ cell 8 eee ee ee eeeeeeeeetseee etseesesdeeddeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeesdeeesseee ee rho2216t1t2s4am2d+ cell 9 eeeeeeseeeeeeeeeseeeeeeeeesee ee ee eeeeeeeeetseee etseeseeeddeeddeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeddeee ee attccgctgatccaagatattctcaatccccttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgta ccgtccgcgatccaacacgcatacttccaggcattttcccaatcgagagaaaacccaagaataaccaagagaacagaa cagagcgtcgagtcaaggctctcttcaatttagctttgaatttgctgtattttcgtttgcagccgccgctgccgc </pre>
1PE 0.97	cell 5	<pre> ee eeeeeeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeddeeee ee 1PE cell 6 eee eeeeeeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeddeeee ee 1PEm1 cell 8 eee eeeeeeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeddeeee ee 1PEm2 cell 9 eee eeeeeeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeddeeee ee 1PEd+ cell 5 eeseeeeeeeeeeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeetseeeeddeeeeeeeeeeeeeeddeeeeeeeeeeteeeeeeeeeddeeee ee 1PEd+ cell 6 eee eeeeeeeeeeeeeeeeeeeeeeeeetseeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeddeeee ee 1PEm1d+ cell 8 eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeetseeeeddeeeeeeeeeeeeeeddeeeeeeeeeeteeeeeeeeeddeeee </pre>

Cell	Cell ID	Genomic Region	Genomic Coordinates	Genomic Region	Genomic Coordinates	Genomic Region	Genomic Coordinates
1PEm2d+	cell 9	chr1	100000000-100000000	chr1	100000000-100000000	chr1	100000000-100000000
2PE 1.9	cell 5	chr1	100000000-100000000	chr1	100000000-100000000	chr1	100000000-100000000
2PE	cell 6	chr1	100000000-100000000	chr1	100000000-100000000	chr1	100000000-100000000
2PEm1	cell 8	chr1	100000000-100000000	chr1	100000000-100000000	chr1	100000000-100000000
2PEm2	cell 9	chr1	100000000-100000000	chr1	100000000-100000000	chr1	100000000-100000000
2PEd+	cell 5	chr1	100000000-100000000	chr1	100000000-100000000	chr1	100000000-100000000

[illegible]

[illegible]

6xdlPLZ	cell 6	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee
6xdlPLZm1	cell 8	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee
6xdlPLZm2	cell 9	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee
6xdlPLZd+	cell 5	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee
6xdlPLZd+	cell 6	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee
6xdlPLZm1d+	cell 8	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee
6xdlPLZm2d+	cell 9	eeeeee d eeeeeeeeeeeeeeeeeeee d eeeeee s eeee d eeeeeeeeeeeeeeee d eeeeeeeeeeeeeeee d eeeeeeee ee t ee d eeeeeeee

aaaaaaaaagatccatagatcatatgagatccatagatccatagatccatagatccatagatccatagatccatagatccatga

6xEtPLZ 0	cell 1	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZ	cell 2	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZm1	cell 8	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZm2	cell 9	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZd+	cell 1	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZd+	cell 2	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZm1d+	cell 8	eeeeeeeeeeee e s e eeeeeeee e s e ee
6xEtPLZm2d+	cell 9	eeeeeeeeeeee e s e eeeeeeee e s e ee

agcttttctctgctcaaaatcaaatgattaaaacaacagtttgatacgaattttaattccctttttgctgcgagtcagttaagt
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caagtgg**cgggcgga**atttctgattcgcatgccatgaggcactgcgaagcttgacgcgttgtttggg**gaaattcc**gggcga
gccaggaatcaacgtcctgtcctg**cg**tg**gg**aaaag**ccacgtc**ctaccacgccactcggttacctgaattcgagctcagtggttt
gtggctgagattgctttgtgtacggtggctgaccttgccagtgggtccatgtcc

rho2216t1t2s4a 2.7	cell 10	ee ee ee eeeeeeee e t e ee d eeeeeeeeeeee eeeeeeeeeeee d ee d eeeeeeee ee
rho2216t1t2s4a	cell 13	ee ee ee eeeeeeee e t e ee d eeeeeeee eeeeeeeeeeee d ee d eeeeeeee ee

1PE	cell 6	<pre> ee ee ee ee </pre>
1PEm1	cell 8	<pre> ee ee ee </pre>
1PEm2	cell 9	<pre> ee ee ee </pre>
1PEd+	cell 5	<pre> ee ee ee </pre>
1PEd+	cell 6	<pre> ee ee ee </pre>
1PEm1d+	cell 8	<pre> ee ee ee </pre>
1PEm2d+	cell 9	<pre> ee ee ee </pre>
		<pre> attcccgatcgatccaaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgattcc ccgtccgcatcccaacacgcatacttccaggcattttcccaaatcgagagaaaacccaagaataacccaagagaaacagaaaaatc cagagcgctgagtcaggctctcttcaatttagctttgaatttgctgtattttcgtttgcagccgccgtgccgcaattcccgatcc aaagatattctcaatccctttttgaatcaacaagtaaaatatttcaaaaattgccgacaattccctcgattcccgatcc aacacgcatacttccaggcattttcccaaatcgagagaaaacccaagaataacccaagagaaacagaaaaatccagagcgctgagtc aggctctcttcaatttagctttgaatttgctgtattttcgtttgcagccgccgtgccgctcgagaaaatcgaaatccccgcgcgct gacgtcatacctgacgatgccgagcttccgccattgagtgaggagcgggatggcaagacaagcgagcgagcgggacgacgatagcggcg gcagcgaatggcgctgagcagcgcgcaaatgtcaatttgagcaatggcgggaag </pre>
2PE 1.9	cell 5	<pre> ee ee ee ee ee ee ee ee ee ee ee </pre>
2PE	cell 6	<pre> ee ee ee ee ee ee ee ee ee ee </pre>
2PEm1	cell 8	<pre> ee </pre>

Cell	Cell Type	Cell Number	Genotype
1PEe 0.98	cell 7	1	1PEe 0.98
1PEe	cell 8	2	1PEe
1PEem1	cell 8	3	1PEem1
1PEem2	cell 9	4	1PEem2
1PEed+	cell 7	5	1PEed+
1PEed+	cell 8	6	1PEed+
1PEem1d+	cell 8	7	1PEem1d+
1PEem2d+	cell 9	8	1PEem2d+

6xdPLZ 5.8	cell 5	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteedeeeeeeeeee </pre>
6xdPLZ	cell 6	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteedeeeeeeeeee </pre>
6xdPLZm1	cell 8	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteedeeeeeeeeee </pre>
6xdPLZm2	cell 9	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteedeeeeeeeeee </pre>
6xdPLZd+	cell 5	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteedeeeeeeeeee </pre>
6xdPLZd+	cell 6	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteedeeeeeeeeee </pre>
6xdPLZm1d+	cell 8	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteedeeeeeeeeee </pre>
6xdPLZm2d+	cell 9	<pre> eeeeeeedeeeeeeeeeeeeeeeeeeeeedeeeeeeeseeeeedeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteedeeeeeeeeee </pre>

		aaaaaaaaagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatga
6xEtPLZ 0	cell 1	eeeeeeeeeeeeectseeeeeeeeectseee
6xEtPLZ	cell 2	eeeeeeeeeeeeectseeeeeeeeectseee
6xEtPLZm1	cell 8	eeeeeeeeeeeeectseeeeeeeeectseee
6xEtPLZm2	cell 9	eeeeeeeeeeeeectseeeeeeeeectseee
6xEtPLZd+	cell 1	eeeeeeeeeeeeectseeeeeeeeectseee
6xEtPLZd+	cell 2	eeeeeeeeeeeeectseeeeeeeeectseee
6xEtPLZm1d+	cell 8	eeeeeeeeeeeeectseeeeeeeeectseee
6xEtPLZm2d+	cell 9	eeeeeeeeeeeeectseeeeeeeeectseee
		agcttttctctgctcaaaatcaaatgattaaaacaacagtttgatacgaattttaattccctttttgctgcggagtcagttaagtgc gtcgctttcaggactcaggcatcatccagatcgcacgatccatttgcatctgccttctcagaagctgcttgaaagacgcgccctgc ggatgattagtctaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacatcgcgaaacatttggc ttgcggaagacaagtgcggtgcaaaaaagtcgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcggg caagtggcgggcgggaatttctgattcgcgatgccatgaggcactcgccaagcttgacgcgttgtttgggggaaattccgggcga gccaggaatcaacgtcctgtcctgcgtgggaaaagccacgtctaccacgcgccactcggttacctgaattcgagctcgagtgttt gtggctgagattgctttgttacggtggctgaccttgccagtgccagtggggtccatgtcc
rho2216t1t2s4a 2.7	cell 10	eee eee eee eeeeeeeeeectee eteeeeeeeeedeeedeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeedee eee
rho2216t1t2s4a	cell 13	eee eee eee eeeeeeeeeectee eteeeeeeeeedeeedeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeeeeeedee eee
rho2216t1t2s4am1	cell 8	eee eee eee eeeeeeeeeectseee etseeeeeseeedeeedeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeesceeedceeeesceeeeeeeeeeeeeeeeeeeeeeeeeeeee eee
rho2216t1t2s4am2	cell 9	eeeeeeeeseeeeeeeeeeeseeeeeeeeeeeeeseeeeeeeeeeeeeeeeeeeeeeeeeeee eee eee eeeeeeeeeectseee etsceeeeeeeedeeedeeeeeeeeeeee eeeeeeeeeeeeeeeeeeeeeedee eee
rho2216t1t2s4ad+	cell 10	eee eee

[illegible]

[illegible]

[illegible]

		<p> eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeectseeeeeeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee eee eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeectseeeeeeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeectseeeeeeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee eeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeectseeeeeeeeeeeeeeeeeeeeeedeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeeee eee </p> <p> atcctgggaaaacccgagatgatcctgggaaaacccgacctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccgagatcctgggaaaacccga atcctgggaaaacccga </p>
1PEd+	cell 8	
1PEm1d+	cell 8	
1PEm2d+	cell 9	
6xdlPLZ 5.8	cell 5	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeseseeeeedeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZ	cell 6	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeseseeeeedeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZm1	cell 8	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeseseeeeedeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZm2	cell 9	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeseseeeeedeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZd+	cell 5	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeseseeeeedeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZd+	cell 6	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeseseeeeedeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZm1d+	cell 8	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeseseeeeedeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xdlPLZm2d+	cell 9	<p> eeeeeedeeeeeeeeeeeeeeeeedeeeeeseseeeeedeeeeeeeeeeeeeeedeeeeeeeeeeeeeeedeeeeeeee eeeteeedeeeeeeeeee </p>
6xEtPLZ 0	cell 1	<p> eeeeeeeeeeeetseeeeeeeetseee </p>
6xEtPLZ	cell 2	<p> eeeeeeeeeeeetseeeeeeeetseee </p>
6xEtPLZm1	cell 8	<p> eeeeeeeeeeeetseeeeeeeetseee </p>
6xEtPLZm2	cell 9	<p> eeeeeeeeeeeetseeeeeeeetseee </p>
6xEtPLZd+	cell 1	<p> eeeeeeeeeeeetseeeeeeeetseee </p>
6xEtPLZd+	cell 2	<p> eeeeeeeeeeeetseeeeeeeetseee </p>
6xEtPLZm1d+	cell 8	<p> eeeeeeeeeeeetseeeeeeeetseee </p>
6xEtPLZm2d+	cell 9	<p> eeeeeeeeeeeetseeeeeeeetseee </p>

aaaaaaaagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatga

agcttttcctctgctcaaaatcaaaatgattaaacaacagtttgatacgaattttaattccccttttctgctggagtcagttaagtga
 gtcgctttcaggactcaggcatcatccagatcgacgatccatttgcattctgctctcagaagctgcttgaaagacgcgccctgtc
 ggatgattagtgtgaagatccttgggcaggatggaaaaatgggaaaacatgcggtgggaaaaacacacatcgcgaaacatttggcgcaac
 ttgcggaagacaagtgcggctgcaaaaaagtgcgaaacgaaactctgggaagcggaaaaaggacaccttgctgtgcggcgggaagc

[illegible]

[illegible]

[illegible]

6xdPLZ 5.8	cell 5	<pre> eeeeeee d eeeeeeeeeeeeeeeeeee d eeeeeee s eeeee d eeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeee d eeeeeee ee t eed d eeeeeeeeeee </pre>
6xdPLZ	cell 6	<pre> eeeeeee d eeeeeeeeeeeeeeeeeee d eeeeeee s eeeee d eeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeee d eeeeeee ee t eed d eeeeeeeeeee </pre>
6xdPLZm1	cell 8	<pre> eeeeeee d eeeeeeeeeeeeeeeeeee d eeeeeee s eeeee d eeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeee d eeeeeee ee t eed d eeeeeeeeeee </pre>
6xdPLZm2	cell 9	<pre> eeeeeee d eeeeeeeeeeeeeeeeeee d eeeeeee s eeeee d eeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeee d eeeeeee ee t eed d eeeeeeeeeee </pre>
6xdPLZd+	cell 5	<pre> eeeeeee d eeeeeeeeeeeeeeeeeee d eeeeeee s eeeee d eeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeee d eeeeeee ee t eed d eeeeeeeeeee </pre>
6xdPLZd+	cell 6	<pre> eeeeeee d eeeeeeeeeeeeeeeeeee d eeeeeee s eeeee d eeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeee d eeeeeee ee t eed d eeeeeeeeeee </pre>
6xdPLZm1d+	cell 8	<pre> eeeeeee d eeeeeeeeeeeeeeeeeee d eeeeeee s eeeee d eeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeee d eeeeeee ee t eed d eeeeeeeeeee </pre>
6xdPLZm2d+	cell 9	<pre> eeeeeee d eeeeeeeeeeeeeeeeeee d eeeeeee s eeeee d eeeeeeeeeeeeeeeee d eeeeeeeeeeeeeeeee d eeeeeee ee t eed d eeeeeeeeeee </pre>

aaaaaaaaagatc**catatg**agatc**catatg**agatccatatgagatccatatgagatccatatgagatccatatga

[illegible]

[illegible]

[illegible]

		aaaaaaaaagatccatatgagatccatatgagatccatatgagatccatatgagatccatatgagatccatatga
6xEtPLZ 0	cell 1	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZ	cell 2	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm1	cell 8	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm2	cell 9	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZd+	cell 1	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZd+	cell 2	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm1d+	cell 8	eeeeeeeeeeeeetseeeeeeeetseee
6xEtPLZm2d+	cell 9	eeeeeeeeeeeeetseeeeeeeetseee