

	330	340	350	360	370	380	390	400
MAL7P1.208	AAAAGAGAAA	CATGAAAAG	AAGATGAATA	TGAA-----	GATAATGATG	AAAGCTTTT	AGAAACTGAA	GAATATGAAG
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	T G...G....	.....	TATGAA	.....	.....	.....	.....

	410	420	430	440	450	460	470	480
MAL7P1.208	ATAATGAAGA	TGAAAAATAT	AACAAAGATG	AAGATGATTA	TGCAGAAAGT	TTTATTGAGA	CTGATGAATA	TGAAGATAAT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	T..T....	.....	.....	.....	.....	A.....

	490	500	510	520	530	540	550	560	
MAL7P1.208	GAAGATGAT-	-----	-----	-----	-----	AAATA	TAATAAAGAT	GAAGATGATT	ATTCAGAAAG
3D7	.....	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	AA AATATAATAA	AGATGAAAAA	TATAATAAAG	ATGAA.....	.....	.....	.....	.....G.....

	570	580	590	600	610	620	630	640
MAL7P1.208	CTTTATTGAG	ACTGATGAAT	ATGATGAT--	-----	-----	-----	-----	-----
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	T.....	.....	.....A...AA	TAAAGATGAT	AAATATAATA	AAGATGAAAA	ATATAATAAA	GATGAAGATG

	1610	1620	1630	1640	1650	1660	1670	1680
MAL7P1.208	ACGAAGATAA	AGATGTTGAA	GATGAGTATG	AAGAAAGTTT	CTTACAAAAT	GATGAGAAAA	AAATGGTCTT	TTATGATTTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> C.....	.....	.....	.....	.....	.....	.....

	1690	1700	1710	1720	1730	1740	1750	1760
MAL7P1.208	TACAAGCCAG	AAGAAAATGA	ATCTTATTAT	GAAAAGA AAC	AAAAGAAGA	AGAAAAGAA	GAGAAGAAG	AGAAGAACA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> T.....	.....	.....	.....A.....	.....	.....A.....	.....

	1770	1780	1790	1800	1810	1820	1830	1840
MAL7P1.208	AAGTTTGAAC	AAACAAACG	ATATGGAAGA	CCAAGAAGAT	AATGAAGAAT	ATAAATTGA	AGAAGAAAAT	AAAGAAGACC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> TA.....	.....	.....	.....	.....	.....	.....

	1850	1860	1870	1880	1890	1900	1910	1920
MAL7P1.208	TTCTAGATGT	CCAACAAGAT	GAAGAATTAC	CAAGTGAAGG	AAAACAAAA	GTAAAAGGAA	AATCATTGCA	TAATGAACAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> G.....	.....	.....

	2250	2260	2270	2280	2290	2300	2310	2320
MAL7P1.208	AAACAAAATG	TATATGAAA	ACGAATATA	TAATAAGACA	AAAAATAATA	AAAACAATA	ATTGAACAA	CAAAATTATG
3D7
RO33
Palo Alto
FCR3
Wellcome
D6G.....	.....	.....	.....
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>C.....	.....	.A.....	.....	.C.....

	2330	2340	2350	2360	2370	2380	2390	2400
MAL7P1.208	ATGAATCATA	TATGGATGAT	GATTATGAAC	AAAATGAAGA	ATTTAATGAT	AATAATCAA	GCGAAGATAT	GAAAGAAACA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	C..T.....	.....	T.....	.....	.....	.....	.....

	2410	2420	2430	2440	2450	2460	2470	2480
MAL7P1.208	AATGAACTCG	ATAAAATTAA	TGATGAACTA	TTAACTGATC	AAGGACCAA	CGAAGATACA	TTATTAGAAA	ATAATAATAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8G.....	.A.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>G.....	.....	.C.....	.....	.....	.....	.....

	2490	2500	2510	2520	2530	2540	2550	2560
MAL7P1.208	AATTTTCGAT	AATAAATTG	TAGCACATA	AAAAGAGAA	AAAAGTATAT	CCCCACACAG	TTACCAAAG	GTATCTACCA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>C.....	.....	.C.....	.....	.A.....	.T.....

PF13_0348_Rhop148

	10	20	30	40	50	60	70	80
PF13_0348	ATGTATGATA	TATCTAGTGA	ACAAATTAAT	ATACAAAATA	AGTTTTTAAA	AAATTAGAT	TTATATTGTA	TATTAATAAT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....	.....	.....

	90	100	110	120	130	140	150	160
PF13_0348	TATTATAACA	AACAATATAG	AAATATACAA	TGAAGAGAGT	TACAATGTTT	TAATAAATCT	AGTAAAAATCA	AATAAAAAATA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....	.....	.....

	170	180	190	200	210	220	230	240
PF13_0348	TAACTGTAGA	GGAATCTAAA	AGGATCTTTT	CAAATAACAA	GAAATTATTC	AAAAGGTATA	TGTATAAGAA	AAATAAAAGA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....	.....	.....C

	250	260	270	280	290	300	310	320
PF13_0348	AGGCCATGTC	AAATAAACAA	CACTCATAAT	ATTGATGAT-	-----	-----	-----	-----
3D7	.....	.....	.....	.....	-----	-----	-----	-----
RO33	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
Palo Alto	.....	.....G	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
FCR3	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
Wellcome	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
D6	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
T996	.....	.....	.....	.....A	ATAATAATAA	TAATATTGAT	GATAATAATA	ATAATAATAT
T9102	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
K1	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
Dd2	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
D10	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
FCC2	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
HB3	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
7G8	.....	.....	.....	.....	-----	-----	GATAATAATA	ATAATAATAT
<i>P.reichenowi</i>	.....	.....T	.....A.A	.....	-----	-----GAT	GATAATAATA	ATAATAATAT

	330	340	350	360	370	380	390	400
PF13_0348	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
3D7	----GATAAT	AATAATAATA	ATAAT----	-----	-----	---ATCTTAA	GAATTATAGT	CCTAGTGAGA
RO33	TGAT.....	.....	.....AAT--	-----	-----	-----	-----	-----
Palo Alto	TGAT.....	.....	.....ATTGA	TGATAATAAT	AATAATAATA	AT.....	-----	-----
FCR3	TGAT.....	.....	-----	-----	-----	-----	-----	-----
Wellcome	TGAT.....	.....	-----	-----	-----	-----	-----	-----
D6	TGAT.....	.....	-----	-----	-----	-----	-----	-----
T996	TGAT.....	.....	-----	-----	-----	-----	-----	-----
T9102	TGAT.....	.....	-----	-----	-----	-----	-----	-----
K1	TGAT.....	.....	-----	-----	-----	-----	-----	-----
Dd2	TGAT.....	.....	-----	-----	-----	-----	-----	-----
D10	TGAT.....	.....	-----	-----	-----	-----	-----	-----
FCC2	TGAT.....	.....	-----	-----	-----	-----	-----	-----
HB3	TGAT.....	.....	-----	-----	-----	-----	-----	-----
7G8	TGAT.....	.....	-----	-----	-----	-----	-----	-----
<i>P.reichenowi</i>	-----	-----	-----	-----	-----	-----	-----	-----

	410	420	430	440	450	460	470	480
PF13_0348	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
3D7	TACACACCGA	TTGTGCGAAT	ATCTGTAACG	ATGATAAAAA	AATGGATGTT	AATCAAAATT	TATATAACAA	AGAAATATAC
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>T.C.....	.....	.....	.....	.....	.....

	490	500	510	520	530	540	550	560
PF13_0348	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
3D7	ACAAATGATT	CCCTTTTTTC	TAAAGATCTA	AACAATAAAA	TATTATTGTA	GTTTTTTCAA	TTCCCGAAA	GTAATTACGT
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G.....	.....	.....	.....	.....T.....	.....

	570	580	590	600	610	620	630	640
PF13_0348	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
3D7	GTCAGAAATAT	ATTAATAAAT	TATGTAAGGA	AAAGTTGATA	CATGAACCGT	TAAATATAAA	TTTGAGTCTT	GTTAAATTGG
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A.....	.....	.....	.....

	650	660	670	680	690	700	710	720
PF13_0348	ATAAGAAGAA	AAAGAAAAGC	AAAAAAGAA	AAACATGTAA	AAGGAATAAT	ATTGGAGAGA	TGCAACAAG	TACAAATAAA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....T	.....G	.....C

	730	740	750	760	770	780	790	800
PF13_0348	TATAACAGTG	ATTCAGGTAT	AGGGGTCACG	GCAAAAACAA	ATACGGACAT	AAATAAAAC	ATTAATAGGA	ATGTAATAG
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....G	.....C	.....	.....A	.....	.....T	.....

	810	820	830	840	850	860	870	880
PF13_0348	AAATATAACC	ATGATGGGAA	ACGCAAACAC	AAACACGAAT	GCAAACACAA	ACACAAATGC	AAACGTCAAC	ACCAACGTCA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....A.A	.....T	.....A.T	.....C A	.....A.TG	.....AAT G	.....ACA.T G.A.TACA

	890	900	910	920	930	940	950	960
PF13_0348	ACACCAACGT	CAACACC	-----	-----	-----	-----	-----	-----AAC
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....AC	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
Palo Alto	.....AAC	ACCAACACAA	ATGCAAACGT	CAACACCAAC	GTCAACACC-	-----	-----	-----
FCR3	.....AC	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
Wellcome	.....AC	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
D6	-----	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
T996	.....AC	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
T9102	.....AC	.....AAC	ACA-----	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
K1	.....AC	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
Dd2	.....AC	.....AAC	ACA-----	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
D10	.....AC	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
FCC2	.....AC	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA...
HB3	.....AC	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA---
7G8	.....AC	.....A---	-----A	ATGCAAACGT	CAACACCAAC	GTCAACACCA	ACACCAACAC	AAATGCA---
<i>P.reichenowi</i>	TT.A...AC	...T.AAAT	ACAATTACAA	ACACCAATAC	AAATACAATC	ACAAACACCA	ATACAAATAC	CGAGACA..T

	1290	1300	1310	1320	1330	1340	1350	1360
PF13_0348	CGTTTCAAAC	GATAATATAA	ATGTTTCATAT	AAATTACAAT	ATAAATAATA	AAATGAATAA	CAATATATTT	AAAAATGAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....G.....	.....	.....	.....T.....	.....	.....A.....	.....	.....T.....

	1370	1380	1390	1400	1410	1420	1430	1440
PF13_0348	ATAAATACTCT	TGTCGAAAGT	TTTAAAACAG	ATTTATTGTA	TTCAATAGAA	AAAAATAAAA	ATGACATATA	TGCGCATAAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....G.....	.....	.....GC.....	.....	.....G.....	.....	.....G..T.....	.....A.A.....

	1450	1460	1470	1480	1490	1500	1510	1520
PF13_0348	TGTAGTAATT	CAGATGAGGA	TTCGATATAT	AATTATTTTA	GTGATAATAC	AAATATTGAT	GATCATAATA	AAATGAATAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....C.....	.....A.....	.....	.....C.....	.....	.....C..C..T.....	.....	.....A.....

	1530	1540	1550	1560	1570	1580	1590	1600
PF13_0348	TGTAATTAGG	GAACGCGTTA	ATAATATAGG	TAAGAATTAT	TATAGCACAG	AAAAGTATAA	TAATAACAAT	AATGATAATA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>C.....A.....	.....	.....AT.....	.....	.....T.....	.....A.....

	1610	1620	1630	1640	1650	1660	1670	1680
PF13_0348	ATAACAATAA	TGATAATAAT	AACAATAATG	ATAATAATAA	CAATAATGAT	AATAATAACA	AC-----	-----
3D7	-----	-----
RO33	-----	-----
Palo Alto	-----	-----
FCR3	-----	-----
Wellcome	-----	-----
D6	-----	-----
T996	-----	-----
T9102C-----	-----	-----	-----
K1C-----	-----	-----	-----
Dd2C-----	-----	-----	-----
D10	-----	-----
FCC2C-----	-----	-----	-----
HB3	TAATGATAA	TAATAACAAC
7G8
<i>P.reichenowi</i>	.....T.C.	.....CA.C.....C	.....C.A.C	.....	-----	-----	-----	-----

	1690	1700	1710	1720	1730	1740	1750	1760
PF13_0348	ATCAATAATA	ATAATAATAA	GAAAAAG--	AACAAGAACA	ACAACAATAA	TAATAATAAT	TATAATAAT-	-----AT
3D7	-----	-----
RO33C.....	.....	.....	-----	-----
Palo AltoC.....	.....	.....	-----	-----
FCR3C.....	.....	.....	-----	-----
WellcomeC.....	.....	.....	-----	-----
D6C.....	.....	.....	-----	-----
T996AAG	.....C.....	.....	.....	-----	-----
T9102C.....	.....	.....	-----	-----
K1C.....	.....	.....	-----	-----
Dd2C.....	.....	.....	-----	-----
D10C.....	.....	.....	-----	-----
FCC2C.....	.....	.....	-----	-----
HB3C.....	.....	.....	-----	-----
7G8	-----	-----
<i>P.reichenowi</i>	-----	-----	-----	-----	-----	-----	.....T	ACAATAAT..

	1770	1780	1790	1800	1810	1820	1830	1840
PF13_0348	TTGTATAGT	AGTAGTATA	ATAAAATGAA	CGATTATAAA	CATATGATT-	-----	-----	-----
3D7	-----	-----	-----
RO33	-----	-----	-----
Palo Alto	-----	-----	-----
FCR3	-----	-----	-----
Wellcome	-----	-----	-----
D6	-----	-----	-----
T996	-----	-----	-----
T9102	-----	-----	-----
K1	-----	-----	-----
Dd2	-----	-----	-----
D10	-----	-----	-----
FCC2	-----	-----	-----
HB3	-----	-----	-----
7G8	-----	-----	-----
<i>P.reichenowi</i>	.....A.---	.....	.....	.....	-----A	ATCATAATGA	TAATTATAAT	ACAGGTAATA

	1850	1860	1870	1880	1890	1900	1910	1920
PF13_0348	-----	-----	-----TTTA	ATAATAATGA	TAATACCATA	TTCAAGCATA	AAACTCATT	ATCTTCTTTA
3D7	-----	-----	-----	.....	.....	.....	.....	.....
RO33	-----	-----	-----	.....	.....	.....	.....	.....
Palo Alto	-----	-----	-----	.....	.....	.....	.....	.....
FCR3	-----	-----	-----	.....	.....	.....	.....	.....
Wellcome	-----	-----	-----	.....	.....	.....	.....	.....
D6	-----	-----	-----	.....	.....	.....	.....	.....
T996	-----	-----	-----	.....	.....	.....	.....	.....
T9102	-----	-----	-----	.....	.....	.....	.....	.....
K1	-----	-----	-----	.....	.....	.....	.....	.....
Dd2	-----	-----	-----	.....	.....	.....	.....	.....
D10	-----	-----	-----	.....	.....	.....	.....	.....
FCC2	-----	-----	-----	.....	.....	.....	.....	.....
HB3	-----	-----	-----	.....	.....	.....	.....	.....
7G8	-----	-----	-----	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	CTTATGATAA	TACAAAACAT	ATCGTT.....	.....	.....G.....	.....A.....	.....	.....

	2250	2260	2270	2280	2290	2300	2310	2320
PF13_0348	TTTATATATA	CTCAAAAATA	TTTCTTAAA	AGATTTATAT	AAACAACAAA	AGATTTATCA	AAATGATCAT	CATAATAACA
3D7
RO33C.....	.....	.....
Palo AltoC.....	.....	.....
FCR3
Wellcome
D6C.....	.....	.....
T996C.....	.....	.....
T9102
K1
Dd2
D10
FCC2
HB3C.....	.....	.....
7G8
<i>P.reichenowi</i>	A.....	.G.....	.....	.C.....	.....	.....	.....	.....

	2330	2340	2350	2360	2370	2380	2390	2400
PF13_0348	AAAAAAAAAT	TTATAGAAAA	AGAAATGCTT	TAAGGAAAAA	AAAAAAAAAA	GAAAAAGAAA	ATATTTTAGA	AATATTAGAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3	G.....	.....	.....	.....	.....	.....
7G8
<i>P.reichenowi</i>	.....G	.....	.....	.....	.G.....	.....	.C.....	.G.....

	2410	2420	2430	2440	2450	2460	2470	2480
PF13_0348	GAAGAGAAAA	GAATTAATGT	TCTATATTTT	ATTAATCGTT	TTCTATATTC	AAATAAAACC	CCTTTATCAT	ATTTATTTAG
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....A.....	.....	.....	.....	.....	.....A.....	.....	.....

	2490	2500	2510	2520	2530	2540	2550	2560
PF13_0348	AAATTATAAA	ACAACTTTGC	TTAACCAACA	AATAAATGTG	AACCAAAAAA	ATGAACACAC	ACATAAATGT	ATACATTCAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2C.....	.....	.....	.....	.....
HB3
7G8
<i>P.reichenowi</i>	.....C.C.....	.....A.....	.....G.....	.....	.....	.....	.....C.....	.....

	2570	2580	2590	2600	2610	2620	2630	2640
PF13_0348	ATCAAGTGA	ACAAGAAAAT	GAAATCGTTT	TATATTCGGA	CGAATTAAC	ATTGATTATT	TTCTTTTCCCT	TATGATTTT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....T	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....T	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....G	.....	.....	.....	.....	.....	.....	.....

	2650	2660	2670	2680	2690	2700	2710	2720
PF13_0348	GAAAAGAAG	TGGAGCAAAA	CTTTTCAAAC	TATTTAATAA	ACAAGATAAA	TGAATGTAAA	AAATTTAAAA	CAACTGATAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....T..A	.....	.....	.....	.....	.....	.....TT	.....

	2730	2740	2750	2760	2770	2780	2790	2800
PF13_0348	TACATATACA	AACACGGACA	ACAAGACGCA	CGTATCTAAA	GATGTATTGG	TTCATTTTGA	TGATGATATA	TTTCTTAAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....A	.....G..C	.....T	.....	.....A	.....G..A	.....	.....G

	2810	2820	2830	2840	2850	2860	2870	2880
PF13_0348	AATCAATTGA	TGTGTCAACC	AAAATTTCTC	GTGATGTATC	AAATAAAATG	TCT-----	-----	-----
3D7	-----	-----	-----
RO33	-----	-----	-----
Palo Alto	-----	-----	-----
FCR3T	.....	.....	-----	-----	-----
WellcomeT	.....	.....	-----	-----	-----
D6	-----	-----	-----
T996	-----	-----	-----
T9102	-----	-----	-----
K1	-----	-----	-----
Dd2	-----	-----	-----
D10	-----	-----	-----
FCC2	-----	-----	-----
HB3	-----	-----	-----
7G8	-----	-----	-----
<i>P.reichenowi</i>G	.....CG	.....	.....AGGTGATG	.....TGTCAAATAA	.....AATGTCTGTT

	2890	2900	2910	2920	2930	2940	2950	2960
PF13_0348	.....|.....|.....|.....|.....|.....|.....|.....|.....|						
3D7	-----	-----	-----	-----	-----	-----	-----	-----
RO33	-----	-----	-----	-----	-----	-----	-----	-----
Palo Alto	-----	-----	-----	-----	-----	-----	-----	-----
FCR3	-----	-----	-----	-----	-----	-----	-----	-----
Wellcome	-----	-----	-----	-----	-----	-----	-----	-----
D6	-----	-----	-----	-----	-----	-----	-----	-----
T996	-----	-----	-----	-----	-----	-----	-----	-----
T9102	-----	-----	-----	-----	-----	-----	-----	-----
K1	-----	-----	-----	-----	-----	-----	-----	-----
Dd2	-----	-----	-----	-----	-----	-----	-----	-----
D10	-----	-----	-----	-----	-----	-----	-----	-----
FCC2	-----	-----	-----	-----	-----	-----	-----	-----
HB3	-----	-----	-----	-----	-----	-----	-----	-----
7G8	-----	-----	-----	-----	-----	-----	-----	-----
<i>P.reichenowi</i>	GATGTGTC	CAATAAAATGTC	TGTTGATGTG	TCAAATAAAA	TGTCTGGTGA	TGTGTCAAAT	AAAATGTCTG	TTGATGTGTC

	2970	2980	2990	3000	3010	3020	3030	3040
PF13_0348	.....|.....|.....|.....|.....|.....|.....|.....|.....|						
3D7	-----	-----	-----	-----	-----	-----	-----	-----
RO33	-----	-----	-----	-----	-----	-----	-----	-----
Palo Alto	-----	-----	-----	-----	-----	-----	-----	-----
FCR3	-----	-----	-----	-----	-----	-----	-----	-----
Wellcome	-----	-----	-----	-----	-----	-----	-----	-----
D6	-----	-----	-----	-----	-----	-----	-----	-----
T996	-----	-----	-----	-----	-----	-----	-----	-----
T9102	-----	-----	-----	-----	-----	-----	-----	-----
K1	-----	-----	-----	-----	-----	-----	-----	-----
Dd2	-----	-----	-----	-----	-----	-----	-----	-----
D10	-----	-----	-----	-----	-----	-----	-----	-----
FCC2	-----	-----	-----	-----	-----	-----	-----	-----
HB3	-----	-----	-----	-----	-----	-----	-----	-----
7G8	-----	-----	-----	-----	-----	-----	-----	-----
<i>P.reichenowi</i>	AAATAAAATG	TCTGTTGATG	TGTCAAATAA	AATGTCGTGT	GATGTGTC	CAATAAAATGTC	TGGTGTGATG	TCAAATAAAA

	3050	3060	3070	3080	3090	3100	3110	3120
PF13_0348	.....|.....|.....|.....|.....|.....|.....|.....|.....|						
3D7	-----	-----	-----	-----	-----	-----	-----	-----GTT
RO33	-----	-----	-----	-----	-----	-----	-----	-----
Palo Alto	-----	-----	-----	-----	-----	-----	-----	-----
FCR3	-----	-----	-----	-----	-----	-----	-----	-----
Wellcome	-----	-----	-----	-----	-----	-----	-----	-----
D6	-----	-----	-----	-----	-----	-----	-----	-----
T996	-----	-----	-----	-----	-----	-----	-----	-----
T9102	-----	-----	-----	-----	-----	-----	-----	-----
K1	-----	-----	-----	-----	-----	-----	-----	-----
Dd2	-----	-----	-----	-----	-----	-----	-----	-----
D10	-----	-----	-----	-----	-----	-----	-----	-----
FCC2	-----	-----	-----	-----	-----	-----	-----	-----
HB3	-----	-----	-----	-----	-----	-----	-----	-----
7G8	-----	-----	-----	-----	-----	-----	-----	-----
<i>P.reichenowi</i>	TGTCTGTGA	TATGTCGTGT	GATATGTCGTG	TTGATATGTT	TGGTGATATG	TCTGTTGATA	TGCTGGTGA	TATGTCTA..

	3130	3140	3150	3160	3170	3180	3190	3200
PF13_0348	.....|.....|.....|.....|.....|.....|.....|.....|.....|						
3D7	-----	-----	-----	-----	-----	-----	-----	-----
RO33	-----	-----	-----	-----	-----	-----	-----	-----
Palo Alto	-----	-----	-----	-----	-----	-----	-----	-----
FCR3	-----	-----	-----	-----	-----	-----	-----	-----
Wellcome	-----	-----	-----	-----	-----	-----	-----	-----
D6	-----	-----	-----	-----	-----	-----	-----	-----
T996	-----	-----	-----	-----	-----	-----	-----	-----
T9102	-----	-----	-----	-----	-----	-----	-----	-----
K1	-----	-----	-----	-----	-----	-----	-----	-----
Dd2	-----	-----	-----	-----	-----	-----	-----	-----
D10	-----	-----	-----	-----	-----	-----	-----	-----
FCC2	-----	-----	-----	-----	-----	-----	-----	-----
HB3	-----	-----	-----	-----	-----	-----	-----	-----
7G8	-----	-----	-----	-----	-----	-----	-----	-----
<i>P.reichenowi</i>	..A..	..G..	.....	.....	.....	..T..A..	..T..	.....

	3210	3220	3230	3240	3250	3260	3270	3280
PF13_0348	AGACAGCAGC	GATAATAATA	ATAATAATAA	TAATAATAAT	AATAAT----	-----	-----GATAGT	AGTAATAATA
3D7	-----	-----	-----
RO33	-----	-----	-----
Palo AltoAAT-	-----	-----	-----
FCR3AAT-	-----	-----	-----
WellcomeAAT-	-----	-----	-----
D6	-----	-----	-----
T996AAT-	-----	-----	-----
T9102	-----	-----	-----
K1AATA	ATAATAATAA	TAAT.....	-----
Dd2	-----	-----	-----
D10	-----	-----	-----
FCC2	-----	-----	-----
HB3	-----	-----	-----
7G8	-----	-----	-----
<i>P.reichenowi</i>	-----	-----	-----

	3290	3300	3310	3320	3330	3340	3350	3360
PF13_0348	ATAGTAGTAA	TAATAAT--	-----	-----AGTAA	T-----	-----	-----	-----
3D7	-----	-----	-----
RO33AGT	AGTAATAATA	AT-----	-----	-----	-----	-----
Palo Alto	-----	-----	-----
FCR3	-----	-----	-----
Wellcome	-----	-----	-----
D6AGT	AGTAATAATA	AT-----	-----	-----	-----	-----
T996AGT	AGTAATAATA	AT-----	-----	-----	-----	-----
T9102AGT	AGTAATAATA	ATAGT.....	AATAATAGT	AAT-----	-----	-----
K1AGT	AGTAATAATA	AT-----	-----	-----	-----	-----
Dd2AGT	AGTAATAATA	ATAGT.....	AATAATAGT	AAT-----	-----	-----
D10AGT	AGTAATAATA	AT-----	-----	-----	-----	-----
FCC2AGT	AAT-----	-----	-----	-----	-----	-----
HB3AGT	AGTAATAATA	AT-----	-----	-----	-----	-----
7G8AGT	AAT-----	-----	-----	-----	-----	-----
<i>P.reichenowi</i>	-----	-----	-----	-----	-----	---AGGGGAA	GCCAAGAGAT	CCATTTAAT

	3370	3380	3390	3400	3410	3420	3430	3440
PF13_0348	-----	-----	-----	-----	-----	-----	-----	-----
3D7	-----	-----	-----	-----	-----	-----	-----	-----
RO33	-----	-----	-----	-----	-----	-----	-----	-----
Palo Alto	-----	-----	-----	-----	-----	-----	-----	-----
FCR3	-----	-----	-----	-----	-----	-----	-----	-----
Wellcome	-----	-----	-----	-----	-----	-----	-----	-----
D6	-----	-----	-----	-----	-----	-----	-----	-----
T996	-----	-----	-----	-----	-----	-----	-----	-----
T9102	-----	-----	-----	-----	-----	-----	-----	-----
K1	-----	-----	-----	-----	-----	-----	-----	-----
Dd2	-----	-----	-----	-----	-----	-----	-----	-----
D10	-----	-----	-----	-----	-----	-----	-----	-----
FCC2	-----	-----	-----	-----	-----	-----	-----	-----
HB3	-----	-----	-----	-----	-----	-----	-----	-----
7G8	-----	-----	-----	-----	-----	-----	-----	-----
<i>P.reichenowi</i>	AAATGTGACA	TTCTAAAGAA	TGAAGAGTAC	AATGTGTCGA	ATGAATATAA	GAATAAAAAG	TTTATAGATA	TGTCAAATAA

	3450	3460	3470	3480	3490	3500	3510	3520
PF13_0348	-----	-----	-----	-----	-----	-----	-----	-----
3D7	-----	-----	-----	-----	-----	-----	-----	-----
RO33	-----	-----	-----	-----	-----	-----	-----	-----
Palo Alto	-----	-----	-----	-----	-----	-----	-----	-----
FCR3	-----	-----	-----	-----	-----	-----	-----	-----
Wellcome	-----	-----	-----	-----	-----	-----	-----	-----
D6	-----	-----	-----	-----	-----	-----	-----	-----
T996	-----	-----	-----	-----	-----	-----	-----	-----
T9102	-----	-----	-----	-----	-----	-----	-----	-----
K1	-----	-----	-----	-----	-----	-----	-----	-----
Dd2	-----	-----	-----	-----	-----	-----	-----	-----
D10	-----	-----	-----	-----	-----	-----	-----	-----
FCC2	-----	-----	-----	-----	-----	-----	-----	-----
HB3	-----	-----	-----	-----	-----	-----	-----	-----
7G8	-----	-----	-----	-----	-----	-----	-----	-----
<i>P.reichenowi</i>	AAATGTGCA	AATGTTTGTG	TGAATATAAA	TAATATACAA	GATAATAGAA	ATAATAATAA	TAA.....	-----

	3850	3860	3870	3880	3890	3900	3910	3920
PF13_0348	AATAAATAAT	GTGATGATAG	TAAATGCTTG	AAGAGCATTG	AGAATAGAAA	TAATAATAGA	GATATTAAAA	ATAATAAGAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6T.....	.....
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....G.....	.....A.....	.....T.....	.....A.....	.....A.....	.....T.....	.....	.....G.....

	3930	3940	3950	3960	3970	3980	3990	4000
PF13_0348	TGAAGGAGAA	AGCACTGATT	CTTTATACAC	CTCTAGTTCA	GAAGATGAAT	ATAATGATAG	ACATGATAAT	ATAAAGAAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>C.....	.....G.....	.....C.....	.....	.....	.....A.....

	4010	4020	4030	4040	4050	4060	4070	4080
PF13_0348	TAAAAAAGAG	AACAGATATT	GAAATGAAA	TTATTTTATT	AAAAATATA	AGACCTTTC	CACTATTTA	TTGGTTAATA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....A.....	.....A.....	.....	.....	.....T.....	.....	.....	.....

	4090	4100	4110	4120	4130	4140	4150	4160
PF13_0348	AATAAAAATA	TATGTGGATA	TATATCTCAT	TTGGAAAAA	TAAATATTAT	AAAAAATATT	GAAAATTTTA	TTAATCATCC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>C.....


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          4490      4500      4510      4520      4530      4540      4550      4560
.....|.....| .....|.....| .....|.....| .....|.....| .....|.....| .....|.....|
PF13_0348 TATCAAACCT TCTAACTTTA AAATGTATAC ACTTATATTT TGCATCCCAT TTATCTTATC CAAATACTGT TGGTTATATA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
P.reichenowi .C..... C.G ..... ..... ..... A.....

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          4570      4580
.....|.....| .....|.....| .....
PF13_0348 ATAGAGGAAT ATTTAAGTC ATAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
P.reichenowi ..T.....

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PF10_0144

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          10      20      30      40      50      60      70      80
.....|.....| .....|.....| .....|.....| .....|.....| .....|.....|
PF10-0144 ATGTATAAAT TTAAATTAA ATTAAGGAAC ATTTACAAAA TTCATTCAA GCCTTATATT AACATGAATG CTCCTCCTAA
3D7
RO33
PALO ALTO
FCR3
WELLCOME
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
P.reichenowi ..... T..... T..... A.....

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          90      100      110      120      130      140      150      160
.....|.....| .....|.....| .....|.....| .....|.....| .....|.....|
PF10_144 TTTTGACATA CATCAGGTTA AGAAATTAGG GAAATTAGGT GCAACTATAG GAGCAATAAT AGGTGTAAC TCATTGGTA
3D7
RO33
PALO ALTO
FCR3
WELLCOME
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
P.reichenowi ..... A.....

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	810	820	830	840	850	860	870	880
PF10_144	ATTATGGAA	TTAAAAAAA	TTGAATTGC	AAGAGAAGT	TCAAATATCA	TATCAAAATG	TCAAAAAAG	GTTATGTTAC
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....C.....	.....	.....	.....	.....	.....

	890	900	910
PF10_144	CTACGGATTC	GTTGTTGATA	AATTTACAA AATAA
3D7	.....	.....	.....
RO33	.....	.....	.....
Palo Alto	.....	.....	.....
FCR3	.....	.....	.....
Wellcome	.....	.....	.....
D6	.....	.....	.....
T996	.....	.....	.....
T9102	.....	.....	.....
K1	.....	.....	.....
Dd2	.....	.....	.....
D10	.....	.....	.....
FCC2	.....	.....	.....
HB3	.....	.....	.....
7G8	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....

PF14_0102 - RAP1

	10	20	30	40	50	60	70	80
PF14_0102	ATGAGTTTCT	ATTGGGTTAG	CTTAGTAATA	ATATTCCATG	TACTCTTCCG	TAATGTCGCT	GATGGTATAA	ATGTAAACGG
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....A.....	.....	.....

	90	100	110	120	130	140	150	160
PF14_0102	AGATAATAAT	TATGGGAAAA	CAATAATCAA	TAATGATTTC	AATTTTGATG	ATTACAATTA	TTGGACACCA	ATAAATAAAA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....TC.....	.....	.....	.....	.....	.....

	170	180	190	200	210	220	230	240
PF14_0102	AGGAAATTTT	AAATTCCTAT	GAAGATAAAT	TTTCAAGTGA	ATCCCTTTTA	GAAATAAAAT	CTAGTGTGTA	TGATGGAAAT
3D7
RO33G.....	.....A.....	.....	.....	.....	.....
Palo AltoG.....	.....	.....	.....	.....	.....
FCR3G.....	.....	.....	.....	.....	.....
WellcomeG.....	.....	.....	.....	.....	.....
D6A.G.....	.....	.....	.....	.....	.....
T996G.....	.....	.....	.....	.....	.....
T9102A.G.....	.....	.....	.....	.....	.....
K1G.....	.....	.....	.....	.....	.....
Dd2A.G.....	.....	.....	.....	.....	.....
D10G.....	.....	.....	.....	.....	.....
FCC2G.....	.....	.....	.....	.....	.....
HB3
7G8
<i>P.reichenowi</i>G.....	.....	.....	.....	.....	.....

	250	260	270	280	290	300	310	320
PF14_0102	ATAAATTAA	CAGATACAAG	TACATCAAAT	AAAAGTCTA	AAAAAGGACA	TGGTAGAAGT	AGAGTAAGAT	CAGCATCAGC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G.....	.....	.....G.....	.....	.....	.....

	330	340	350	360	370	380	390	400
PF14_0102	TGCTGCAAT	CTTGAAGAAG	ATGATCAAAT	AGATGATATG	GAATTAAAG	CTTCTCCTTC	AGTTGTTAA	ACATCTACTC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G.....	.....	.....T.....	.....	.....C.....	.....	.....

	410	420	430	440	450	460	470	480
PF14_0102	CATCAGGTAC	ACAGACATCT	GGTTTAAAT	CATCTAGTCC	ATCTAGTACA	AAGTCATCAA	GTCCATCAAA	TGTAAATCA
3D7
RO33
Palo AltoC.....	.....	.....	.....	.....	.....
FCR3
Wellcome
D6T.....	.....	.....	.....
T996C.....	.....	.....	.....	.....	.....
T9102T.....	.....	.....	.....
K1
Dd2T.....	.....	.....	.....
D10
FCC2
HB3C.....	.....	.....	.....	.....	.....
7G8C.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....A.....	.....T.....	.....C.....	.....	.....	.....A.....	.....	.....A.....

	490	500	510	520	530	540	550	560
PF14_0102	GCTAGTCCAC	ATGGTGAATC	TAATTCCTCT	GAAGAAAGTA	CTACTAAATC	CTCAAAGAGA	AGTGCTTCGG	TTGCAGGTAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	T.....	.....	A.....	T.....

	570	580	590	600	610	620	630	640
PF14_0102	TGTAGGTGCC	GACGAAGAAG	CACCTCCTGC	ACCAAAAAAC	ACCCTCACTC	CATTAGAAGA	ATTATATCCT	ACTAATGTTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	T.....	.....	G.....	.....	C.....	.....	.....

	650	660	670	680	690	700	710	720
PF14_0102	ATTTATTTAA	CTATAAATAT	TCATTAAACA	ATATGGAAGA	AAATATCAAT	ATACTTAAAA	ACGAAGGAGA	TTTAGTTGCA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	C.....	A.....

	730	740	750	760	770	780	790	800
PF14_0102	CAAAAAGAAG	AATTTGAATA	TGATGAAAAT	ATGGAAAAG	CTAAACAAGA	CAAAAAAAA	GCCTTGAGA	AAATAGGAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	T.....	.....	.....	G.....	G.....	C.....	.....

	810	820	830	840	850	860	870	880
PF14_0102	AGAAATCAGAC	GAAGAACCTT	TTATGTTTTT	AGAAAATAAA	TTTCTTGAAA	ATCAAGTAAA	AGAAAGAAAT	GTTGCTGGAT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.C.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.C.....	.....	.....	.....	.....	.....	.....
D6	.C.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.C.....	.....	.....	.....	.....	.....	.....	.....
K1	.C.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.C.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.C.....	.....	.....	.....	.....	.....	.....
FCC2	.C.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.A.....	.....	.A..	.TG.....	.....	.....	.....	.....

	890	900	910	920	930	940	950	960
PF14_0102	CCTTTCTCG	ATTTTTCAGT	AAATTAAATC	CTTTAAGAA	AGATGAAGTA	ATAGAAAAAA	CTGAAGTATC	AAAGAAAACA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>C.....	.....	.....	.....	.....

	970	980	990	1000	1010	1020	1030	1040
PF14_0102	TTTTCAGGTA	TAGGTTTAA	TCTTACTGAG	AAAGAAGCTA	AAGTATTAGG	TGTAGGTGTA	ACCTATCAAG	AATATCCAGA
3D7
RO33
Palo AltoT.C.....	.....	.....	.....	.....	.....
FCR3C.....	.....	.....	.C.....	.....	.....
WellcomeC.....	.....	.....	.C.....	.....	.....
D6C.....	.....	.....	.C.....	.....	.....
T996A.....	.....	.....	.....	.....	.....
T9102C.....	.....	.....	.....	.....	.....
K1C.....	.....	.....	.C.....	.....	.....
Dd2C.....	.....	.....	.....	.....	.....
D10C.....	.....	.....	.C.....	.....	.....
FCC2C.....	.....	.....	.....	.....	.....
HB3A.....	.....	.....	.....	.....	.....
7G8C.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.A.....	.G..	.A..C.....	.....	.A.....	.....	.C.....	.....

	1050	1060	1070	1080	1090	1100	1110	1120
PF14_0102	AACCATGTTA	TATAACTGTC	CAAACAATTC	TAATTTGTTT	GATACTATAG	AATCATTACA	AGGAAGAGTA	ATTGATATTA
3D7
RO33
Palo AltoA.....	.....
FCR3A.....	.....
WellcomeA.....	.....
D6A.....	.....
T996A.....	.....
T9102A.....	.....
K1A.....	.....
Dd2A.....	.....
D10A.....	.....
FCC2A.....	.....
HB3A.....	.....
7G8A.....	.....
<i>P.reichenowi</i>C.....	.....	.A GC.....	.....	.T.....	.....

	1770	1780	1790	1800	1810	1820	1830	1840
PF14_0102	ATATCTTGAA	CATGATAAAA	GTCAAATGTA	TACAGAATTA	CATATTTATA	ACAAAATAGT	CGACTCTGTT	CGTTATTATA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	A.....	A.....	C.....	G.....	.....	.....	.....	.....

	1850	1860	1870	1880	1890	1900	1910	1920
PF14_0102	GTTCATGCTT	TAAAAACGTT	ATTGTTTATA	ATGCTATCAT	TTCTGGTATA	CATGAAAAAA	TAAACATT	CTTAAATTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	G.....	.....	.....	.....	.....

	1930	1940	1950	1960	1970	1980	1990	2000
PF14_0102	GTACCAAGAC	ACAACCTTCT	TTTGGATTAT	CACCTTAATT	CAATTTTGA	AAAAGAAATT	AAACCAGCCA	AAAAATATAG
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	A.....	.....	.....	.....	.....	T.....	.....

	2010	2020	2030	2040	2050	2060	2070	2080
PF14_0102	TACTTCACAT	ATTTATTTTG	ATCCAACGTG	TGCATCATAT	GCTTATTATA	ATTTAGATAG	AAGAACCATG	GTTACTATTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	G.....	A.....	.....	.....	C.....	.....	T.....

	2090	2100	2110	2120	2130	2140	2150	2160
PF14_0102	TTAATGATTA	TTTCGAAGCA	AAAAAAAAAAG	AATTAACCGT	TATAGTATCT	CGTATGAAAA	CAGATATGCT	CAGTCCTCAA
3D7
RO33
Palo Alto
FCR3	A.....
Wellcome	A.....
D6
T996
T9102
K1	A.....
Dd2
D10	A.....
FCC2	A.....
HB3
7G8
<i>P.reichenowi</i>

	2170	2180	2190	2200	2210	2220	2230	2240
PF14_0102	AATGAAGAAT	CAAAAATACC	AAATGACAAA	AGTGCAAATT	CAAAACTAGC	TACAAGATTA	ATGAAAAAAT	TTAAAGCTGA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....C.....	.....	.....G.....	.....	.....	.....	.....G.....	.....

	2250	2260	2270	2280	2290	2300	2310	2320
PF14_0102	AATCAGAGAT	TTCTTCAAAG	AAATGCGTAT	ACAATATGCT	AAATTAATAA	ACATACGTTA	CAGATCTCAC	TTAAAGAAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6	.....T.....	.....	.....	.....	.....	.....	.....	.....
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....C.....	.....	.....	.....G.....	.....T.....	.....	.....A.....	.....

	2330	2340
PF14_0102	ACTACTTTGC	CTTCAAGAGA TTAGATTAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>

	330	340	350	360	370	380	390	400
PFE0080c	TATGTTAAGT	ACAGATGATT	ATCAATCATT	TTTTAAGAAT	AAATTCAAAG	ATATTAATCC	ATTGTTTATT	AATGATTTTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>

	410	420	430	440	450	460	470	480
PFE0080c	TTTTAATCT	TAATGATAAG	AAATTATGG	AAAATCTGGA	TTTATATATA	ATGAAAGAAT	CTGAGAGAGA	ACATTGGTT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	C.....	.....	.....	T.....	.....	.....	.....

	490	500	510	520	530	540	550	560
PFE0080c	ATAAAGAAGA	ATCCATTTTT	ACGTGTATTG	AATAAAGCAT	CAACTACTAC	ACATGCAACA	TATAAGTCTA	ATCCATACTT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10	A.....	.....
FCC2
HB3
7G8
<i>P.reichenowi</i>	C.....	.....	A.....	.....	G.....	.....	.....

	570	580	590	600	610	620	630	640
PFE0080c	TATAGTAGGA	TCAAGAGTTC	ATACACCTTA	TAAAGATTAC	TTAGGAGATT	TTAATAAATA	TACTGAGATA	AGTGTACTTA
3D7
RO33	G.....	.....	.....	.....
Palo Alto	C.T.....	.....	.....	.....
FCR3	T.....	.....	.....	.....
Wellcome	T.....	.....	.....	.....
D6
T996
T9102	T.....	.....	.....	.....
K1	T.....	.....	.....	.....
Dd2	T.....	.....	.....	.....
D10	T.....	.....	.....	.....
FCC2	C.T.....	.....	.....	.....
HB3	C.T.....	.....	.....	.....
7G8
<i>P.reichenowi</i>	A.....	.....	T.....	.....	T.....	.....

	650	660	670	680	690	700	710	720
PFE0080c	ATTATGTTTCG	TGATTACAAT	TTTTTAATTT	ATGCTGGTTC	AAGGGAAAAAT	TACTACAATT	CAGATATAGC	TGGACCAGCA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	...T.....	.....	.....	.....	..A.....	.....	.....	..A.....

	730	740	750	760	770	780	790	800
PFE0080c	AGAAGTGTTA	ATAATGTAAT	TAGTAAGAAT	AAAACATTAG	GATTGAGAAA	ACGTAGTAGT	TCTCTCGCTT	TAGTAGGAAC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>T.....	.....

	810	820	830	840	850	860	870	880
PFE0080c	AAATAACAAT	GACCCTATAT	TTGCTTATTG	TGAAAAAGAT	AATAAATCAG	AATATTACGG	TACACCAGAT	GATTTAATTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>

	890	900	910	920	930	940	950	960
PFE0080c	CATCTTTCTT	TTCAATTATA	AAAACATAAA	TGTTAAATTC	TCATAAAACG	TTTTTAAGAC	AATTTGATTA	TGCTTTATTT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A.....	.....	.....	.....

	330	340	350	360	370	380	390	400
PFE0075c	AAATGATGATT	AGAAATGAAG	AACATGAATC	ATTTTTCAAA	AATAAATTAA	GTGAAATTAA	TAATATAATA	TCTGGTGATT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.C.....G	.....	.....	.....

	410	420	430	440	450	460	470	480
PFE0075c	TCCTTTC AAC	ATTAAAA CAT	GAATATTTT	TTGATAAGT	ACCATCTATT	ATAGTTAAAG	AAAAGATGC	ATCCCATATA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	..G.....	.....	.....	..T.....	.....	.....	..T.....

	490	500	510	520	530	540	550	560
PFE0075c	GTAAAAAGGA	CTGATTTTT	ACAAGATATA	TTAGAAAAG	CAGATTTAA	TAACCATGCA	ATTATAAAA	ACGATCCTAC
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	..G.....	.....	.....	..C.....	..A.....	.....	.....

	570	580	590	600	610	620	630	640
PFE0075c	AAAAGTATTT	ATTTTAAATG	AAATAAATTT	TTTAGAACA	TTCCAATTAG	AAGGTAAACC	ACATATACCT	GATGATCAAC
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	..GT..	..T.....	.....	.....	..A.....

	650	660	670	680	690	700	710	720
PFE0075c	TTTCTTTTAT	GCGTGATTAT	GCTTTATTAA	TTTATCTTGG	TACTAAGGAA	AATTATTATA	ATTCTGATAT	AACAGAATAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	A.....	.....	.....	.....	.....	.....

	730	740	750	760	770	780	790	800
PFE0075c	GCACAAGGAA	ATTATAAATAT	TTCGAAAAAT	AGAACAAGAT	TAGGATTAAT	AAAACGTAGT	AAAACATTTT	CTTTAGATGA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>

	810	820	830	840	850	860	870	880
PFE0075c	TCCCCAAAAA	AATTCCAATA	TATTTGCTTT	TTGTGAAAAA	AATGGAAAAG	AAGAATTTTT	TGGTACACCT	GATGATTTAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	A.....	.....	C.....	.....	.....	.....	C.....

	890	900	910	920	930	940	950	960
PFE0075c	TTTCATCATT	TTTTTCTGAT	ATGAAAGCTA	AAATGGTTAA	AGGGCATAAG	AGATTTTGA	TGGAATTGA	TTATGCTGTT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	A.....	.....	.....

	970	980	990	1000	1010	1020	1030	1040
PFE0075c	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|
	AAAAATAGAA	CTTATGCTTT	ACCTAAAGTT	AAGGGATTTC	GATTTTTAAA	ACAACTTTT	CAAAGAAAA	ATTTAAAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>C.....	.....	.....T.....

	1050	1060	1070	1080	1090	1100	1110	1120
PFE0075c	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|
	TTTCGTAGGA	ATGTATATAA	ACCTTCTGTC	TACTGAAATT	GATTTCCTAG	CAGAAGATT	TGTAGAAATG	TTCGATACTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>T.....	.....	.....	.....	.....	.....T.....

	1130	1140	1150	1160	1170	1180	1190	1200
PFE0075c	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|	.....|.....|.....|.....|.....|.....|.....|.....|.....|
	CTATGAATTG	TTATGGACGC	CAACATGCCG	CTCGTGCAGC	AGATCATTAT	ATGGATATGA	AACTATCGAA	CATATTCAAA TAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>C.....	.....	.....	.....	.....	.....

PFD0955w - Pf34

	10	20	30	40	50	60	70	80
PFD0955w	ATGTATGGTA	CATTTTGGAA	GGGGTCCATT	TTTACCTGT	GTATATTTT	CCCATTTTT	TCGTGTGAGT	GTAATAAAT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....	.....	.....

	90	100	110	120	130	140	150	160
PFD0955w	AAAAATTAAC	GATAAAGAGA	ATATAAATT	TGAGAGTTAT	TTTAATAAAA	GGACAAATGA	AGAAAATGTA	TTAAATAAAA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....G
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....C	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....T	.....	.....	.....	.....A	.....	.....

	170	180	190	200	210	220	230	240
PFD0955w	ACGTATCGAA	AGAAATGGGG	GATACGTTG	TTGCACATAA	GGCTATAGAA	TAAACATTA	ATCATCACCA	CGTTAATAAT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	GGA.....	.....	.....	.....	.....A	.....	.....	.....

	250	260	270	280	290	300	310	320
PFD0955w	GATAAAGAAT	TTAATAATAA	TAATAATAAT	AAACATCAGC	CTTATTATCA	TAATGAGCAT	GATAAAGAAT	TTTCTGAAAG
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	-----	.....G	.....	.....G	.....	.....

	330	340	350	360	370	380	390	400

PFD0955w	TTTAAAGCA	CATATGGATC	ACCTTAAGAT	ATTAAATAAT	GATTTAAAAC	AACATATAGA	TAAAAAAGAG	AGAAATGAA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....G	.....	.....	.....

	410	420	430	440	450	460	470	480

PFD0955w	TATATGAAA	TAATGATTTA	AAAAAATATA	TAATAAAGA	GATACAAAAT	AATAAATATT	TAAATAAAGA	AAAGAAAAGC
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....	.....	.....G

	490	500	510	520	530	540	550	560

PFD0955w	AGTGAAGATA	TTCAAATATT	AGAAGAGCAT	TCAAAAAAAT	TACAAAAAGA	AATTCATGAA	TGGTTAGAAT	CTGTTAATAA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....	.....	.....G

	570	580	590	600	610	620	630	640

PFD0955w	TATTGAAGAG	AAATCAAATA	TTTTAAAAAA	TATCAAAAGT	CAATTATTAA	ATAATATAGC	TTCTTTAAAT	CATACGCTCT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....G.T	.....C	.....	.....	.....	.....A

	650	660	670	680	690	700	710	720
PF0955w	CAGAAGAAAT	AAAAAATATT	AACGATATAA	AAGAATTACA	AAAACAACAA	AATGATTAT	TTTCTGAAA	TTGGTTATAT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....	.....	.....T

	730	740	750	760	770	780	790	800
PF0955w	TTTCTTCCAT	CCTCATCAGA	TTATCTCTTA	AACGAAAAA	AAAAAAATTT	ATATGATAAT	CAAGATAATA	GTATGAAGGA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....T.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....T.....	.....	.....	.....	.....	.....C.....	.....G.....	.....C

	810	820	830	840	850	860	870	880
PF0955w	TGATATAAAT	AATAATGACA	AATATAATAT	TTTTAATTAT	TTACAAAACG	TTCAAGATAA	GGATAACCAA	TATGAAGTTA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....C.....	.....	.....A.....	.....G.....	.....

	890	900	910	920	930	940	950	960
PF0955w	TGAAACAAGA	CAATAATAAT	ATACATAGTG	GTTCCCTCTAC	TCATAATCAT	CTATTATTAA	CTTGTATAAT	TTTTTTGTTA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....A.....	.....	.....	.....CA.....	.....	.....	.....	.....

....|....|....|...
ATACTTTTAA TTTTATAA

PFD0955w
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
P.reichenowi

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