

Supplementary Figure 1

PPF0615c

	10	20	30	40	50	60	70	80
PPF0615c	ATGATAAAAT	TAAGTAAGAA	GTATTGTTTA	GGGATATCCT	TTGTATTATA	TATTTTGTTG	TCTGTTTGTG	AAGGGCATAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G.....	.....	.....	.....	.....	.....	TT.....

	90	100	110	120	130	140	150	160
PPF0615c	AAATTTAACA	TGTGACTTTA	ACGATGTATA	CAAATTAGAA	TTTCATCCTA	ATCAACAAAC	AAGTGTACT	AAATTATGTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.G.....	.....	.....	T.....	.....	.C.....	.....	.A.....

	170	180	190	200	210	220	230	240
PPF0615c	ATTTAACTCC	TAATGTATTA	GAAAAGGTAA	CTATAAAATG	TGGTTCAGAT	AAATTAATTT	ATAATTTATA	TCCTCCAAC
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.G.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.G.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.G.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.A.....	.A.....	.....	.....	.....	.....

	250	260	270	280	290	300	310	320
PPF0615c	TGTTTTGAAG	AGGTATATGC	ATCTAGGAAT	ATGATGCATT	TAAAAAAAAT	AAAAGAGTTT	GTAATCGGAT	CATCAATGTT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A.	TCT.....	.....	.....	.T.....	.....	.....

	330	340	350	360	370	380	390	400
PF0615c	TATGAGACGT	AGTTTAACAC	CAAAATAAAT	TAACGAAGTT	TCTTTCAGAA	TTCCACCTAA	TATGATGCCT	GAAAAACCTA
3D7
RO33
Palo_Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> T.....	.....

	410	420	430	440	450	460	470	480
PF0615c	TATATTGTTT	TTGTGAAAT	AAAAAAACAA	TAACTATAA	TGGTCCAAT	GGAAATCCTT	CAAGTAAAA	AGATATAATA
3D7
RO33
Palo_Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> A.....	.....T.....	.....CC.....	.....G..A

	490	500	510	520	530	540	550	560
PF0615c	AATAGAGGAA	TAGTTGAAAT	TATTATACCT	TCATTAAATG	AAAAAGTTAA	AGGATGTGAT	TTTACAACAA	GCGAATCTAC
3D7
RO33
Palo_Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>

	570	580	590	600	610	620	630	640
PF0615c	AATTTTCTCA	AAAGGATATA	GTATTAATGA	AAATCTAAT	AAATCATCAA	ATAACCAACA	AGATATTGTA	TGTACAGTTA
3D7
RO33
Palo_Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	C.....	.....C	A.....	.....T.....	.....	.....	.....	.....G

	650	660	670	680	690	700	710	720
PF0615c	AGGCACATGC	TAATGATTTA	AFCGGATTTA	AATGTCCAAG	CAATTATTCT	GTTGAACCAC	ATGATTGTTT	TGTTAGTGCA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo_Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....G.....	.....	.....	.....C.....	.....	.....	.....	.....

	730	740	750	760	770	780	790	800
PF0615c	TTCAATTAA	GTGGGAAAA	TGAAAACCTA	GAAAATAAAC	TTAAATTAAC	AAATATAATT	ATGGATCATT	ATAATAATAC
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo_Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....C.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....C.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....	.....	.....	.....	.....

	810	820	830	840	850	860	870	880
PF0615c	TTTCTATTCA	AGATTACCAA	GTTTAATTTC	TGATAATTGG	AAATTCITTT	GTGTATGTTC	AAAAGATAAT	GAAAAAAAT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo_Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	.....C.....	.....	.....	.....	.....

	890	900	910	920	930	940	950	960
PF0615c	TAGTCTTTAC	CGTAGAAGCA	AGCATTTCAT	CAAGTAATAC	TAAACTTGCT	TCAAGAGATA	ATACATACCA	AGATTATATA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo_Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....T.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....T.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....T.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....A.....	.....	.....	.....	.....C.....	.....	.....A.....

	970	980	990	1000	1010	1020	1030	1040
PF0615c	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
3D7	TCCAACCTCT	CTTCTTAAAC	CCTTTCATCA	TATTGTGCCT	TCATCACTTT	TATTATCACA	TCATTCTTAT	CATTCATCTT ATAA
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> T.....	.....A.....	.....C.....	.....	.....	.....

PF13_0338

	10	20	30	40	50	60	70	80
PF13_0338	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
3D7	ATGTTTGCTG	TAAACTTAAA	AATTGTGATA	TTTTGTGCAC	TTGTTTCATT	TTGTTTACAA	TGTAAGAATA	CACCTTGCTAA
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
FCC2
HB3
7G8
<i>P.reichenowi</i> G.....	.....	.....	.....C.....	.....G

	90	100	110	120	130	140	150	160
PF13_0338	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
3D7	TGTAACITTT	GAACAAAAGG	TACAGACAAA	TTTAAGTCAT	GATAAAAATG	GAGATATAGT	ATATGGACAC	AGAGAATTTA
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> A.....	.....G.....	.....A.....	.....A.....	.....TG.....	.....T.....	.....

	170	180	190	200	210	220	230	240
PF13_0338	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|	....|....|
3D7	AA-----	-----	-----	-----	-----	-----	-----	-----
RO33	..GGAGGTAT	AGTATATGGA	CACAGAGAAT	TTAAA-----	-----	-----	-----	-----
Palo Alto	..GGAGGTAT	AGTATATGGA	CACAGAGAAT	TTAAA-----	-----	-----	-----	-----
FCR3	..GGAGGTAT	AGTATATGGA	CACAGAGAAT	TTAAAGGAGG	TATAGTATAT	GGACACAGAG	AATTTAAA..	-----
Wellcome	..GGAGGTAT	AGTATATGGA	CACAGAGAAT	TTAAAGGAGG	TATAGTATAT	GGACACAGAG	AATTTAAA..	-----
D6	-----	-----	-----	-----	-----	-----	-----	-----
T996	..GGAGGTAT	AGTATATGGA	CACAGAGAAT	TTAAA-----	-----	-----	-----	-----
T9102	-----	-----	-----	-----	-----	-----	-----	-----
K1	..GGAGGTAT	AGTATATGGA	CACAGAGAAT	TTAAA-----	-----	-----	-----	-----
Dd2	-----	-----	-----	-----	-----	-----	-----	-----
D10	..GGAGGTAT	AGTATATGGA	CACAGAGAAT	TTAAA-----	-----	-----	-----	-----
FCC2	-----	-----	-----	-----	-----	-----	-----	-----
HB3	-----	-----	-----	-----	-----	-----	-----	-----
7G8	-----	-----	-----	-----	-----	-----	-----	-----
<i>P.reichenowi</i>	-----	-----	-----	-----	-----	-----	-----	.....G

	250	260	270	280	290	300	310	320
PF13_0338	GCATTTT	GATATGACAA	CTGTACAATA	GAAAGTTAATA	AAACAGTGAA	TGGAATAGAT	TGGAATGAAA	AAAAGGACGT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996	A.....	.....	.....	.....	.....	.....
T9102	A.....	.....	.....	.....	.....
K1
Dd2	A.....	.....	.....	.....	.....
D10
FCC2	A.....	.....	.....	.....	.....
HB3
7G8	A.....	.....	.....	.....	.....
<i>P.reichenowi</i>C.....	.....G..G.....	......T.....	.....	.....	.....	.....G..

	330	340	350	360	370	380	390	400
PF13_0338	AAAAGTAAGT	GGTAATAATA	ATATTGCTGT	AGTATATCC	ATTTTACAA	GTGAAGAGAA	GATGATATTA	ATTTTAAAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A.....	.....	.....	.....	.....

	410	420	430	440	450	460	470	480
PF13_0338	GTGATAATA	ATTTTATAT	ACTAAATATG	GAAAAGAATT	TAAATGGTCA	GATCCTAAG	TTATAGATGT	ATCTAATGTT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G.....	.....A..C	.....	.....

	490	500	510	520	530	540	550	560
PF13_0338	ATTGGTACAA	ATACTACCC	AGCTGTTTAC	TCTGGTTCTT	TACTATCTAT	GAATAATGAT	TTTGAAAAT	ATATTTGGT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A.T.....	.....A.....	.....	.....	.....	.....	.....C.....

	570	580	590	600	610	620	630	640
PF13_0338	TTGTGAAAAT	CATAGTCAGA	ATTATATAAA	TGTAGTAGAC	CAGGAATATA	TGAGAGAAAAT	ACGTTTATTA	GGTAAATGTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G..G	.....A..	.....	.....	.....

	650	660	670	680	690	700	710	720
PF13_0338	TGTTATCTTT	TGATGAAGGA	AATAACTGGA	AGAATGAAGT	AATGAATTTA	TATAGTGATG	AAGTTTATAC	AAAATTAAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>C.....	.....A.....	.....	.....G..G.....	.....	.....	.....

	730	740	750	760	770	780	790	800
PF13_0338	ACTTTAAGAT	TATCAGATTA	CGGAGGAAA	ATACTTGTGA	AAGGAACTAA	TGCACAAAAT	CTTAACCAAA	CGATACGATC
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
PF13_0338	CATAATCTTT	TTATGTAGTA	ATTTCATGA	TTGGAAATTA	TTTGTGGAC	TTCTTACCAT	AAGATTCAGG	AAGGATATTT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....A.....A.....	.....	.....A.....	.....	.....	.....	.....	.....C.....

	890	900	910	920	930	940	950	960
PF13_0338	CAGTAGAAAA	TCTAACATAT	TTAAATACTT	ATCATCTAGC	CATTGTAAAA	AATGAAGATA	AATTACAATT	AGCTTTTACA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996A.....	.....	.....	.....
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>T.....	.....	.....	.....	.....	.....

	970	980	990	1000	1010	1020	1030	1040
PF13_0338	TATGATTTAT	TTGAAACAT	TGATCCGCAA	TATTGAACA	CTGAATTAA	TGGTGTTTCT	CATTATTTTG	TTTAGCTCC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A.....	.....T.....	.....TGT.....	.....	.....C.....	.....A.....

	1050	1060	1070	1080	1090	1100	1110	1120
PF13_0338	TGATGAAATG	GTATATTTAT	TTTATCATGG	AAATGAGAAA	AAAAATTATG	TCATAAAAAT	AAAAACAGTA	CCAAGAAAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G.....	.....A.....	.....G.....	.....	.....A.....	.....

	1130	1140	1150	1160	1170	1180	1190	1200
PF13_0338	TAGGTTGTGA	ATTAAATACA	AATGATACTG	TAAATAAAAT	TTATACATAC	ACGTATAAAT	ATATATATAA	TAATAAGCTA
3D7
RO33C.....	.....	.....	.....	.....
Palo Alto
FCR3C.....	.....	.....	.....	.....
WellcomeC.....	.....	.....	.....	.....
D6C.....	.....	.....	.....	.....
T996C.....	.....	.....	.....	.....
T9102C.....	.....	.....	.....	.....
K1C.....	.....	.....	.....	.....
Dd2C.....	.....	.....	.....	.....
D10C.....	.....	.....	.....	.....
FCC2C.....	.....	.....	.....	.....
HB3C.....	.....	.....	.....	.....
7G8C.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....A.....	.....	.....	.....	.....	.....T.....	.....C.....	.....CT.....

	1210	1220	1230	1240	1250	1260	1270	1280
PF13_0338	AGTGC	CATGT	TCCAT	CATT	ATT	TGGT	AAAT	AGGTA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	..C.	.....	.....	.....	.....	.....	.....	.....
Wellcome	..C.	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	..C.	.....	.....	.....	.....	.....	.....	.....
K1	..C.	.....	.....	.....	.....	.....	.....	.....
Dd2	..C.	.....	.....	.....	.....	.....	.....	.....
D10	..C.	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	..C.	.....	.....	.....	.....	.....	.....	.....

	1290	1300	1310	1320	1330	1340	1350	1360
PF13_0338	ACCAA	ATAAA	CTGAA	TTTT	TCTTT	GTGAT	TAATA	CATACA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996A.	.....	.....
T9102
K1
Dd2
D10
FCC2
HB3A.	.....	.....
7G8
<i>P.reichenowi</i>T.	..A.	.....	.....	..T.

	1370	1380	1390	1400	1410	1420	1430	1440
PF13_0338	TCATA	ACGAG	AACAA	AAGAT	AGAAG	TTTCA	CGATT	TACTAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	..A.	..A.	.....	.....	.....	.....	.....	.....

	1450	1460	1470	1480	1490	1500	1510	1520
PF13_0338	TTATA	ATAAA	GTATT	TTGAG	ACTAT	AGTTG	TTGAT	TACGTA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A.	.....	.....	.....	.....	.....

	1530	1540	1550	1560	1570	1580	1590	1600
PF13_0338	TATTGATCTA	GATTTTCCGT	TTGATACAGA	TACTGTAAAG	TTATATAGTA	ATGAAAGTGT	TACACATGCA	TTTAGAAAATA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> C.....	.....	.....	.....	.....T.....	.....	.....

	1610	1620	1630	1640	1650	1660	1670	1680
PF13_0338	ATACAGAAA	AACACATGTG	CATAAATTTC	CTAAAGGTAC	ATATATGACA	TCTTATTTTA	GTTATGAAA	AGAATATGTT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....G.....	.....CAA.....	.....G G.....	.....C.....	.....T.....	.....	.....	.....

	1690	1700	1710	1720	1730	1740	1750	1760
PF13_0338	ATATCTAATT	ATATAGAAGA	ACCATTTTCT	ACTACCTTTA	CTATATTAAC	CCAAACACAA	ATGAATGTTT	ATTTTATGGC
3D7
RO33 A.....	.....	.....	.....	.....	.....	.....
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3 A.....	.....	.....	.....	.....	.....	.....
7G8 A.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i> A.....	.....A.....	.....A.....	.....A.....	.....A.....	.....A.....	.....

	1770	1780	1790	1800	1810	1820	1830	1840
PF13_0338	TGGTGGACAA	AAATATAAAT	ATGAAGGTAT	CGATTTAACA	GATTCCTCAC	CAAACATGA	ATTATCACTT	AATCTTTTGT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> G.....	.....	.....C G

	1850	1860	1870	1880	1890	1900	1910	1920
PF13_0338	CAGATAGCCA	AAATGTTGAT	ATTTTGTAT	CCAAATTGA	TAATAATAAA	ACGATAGGTT	TGTTTGTCC	TGTTAAAAGT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> A.....	.....	.....	.....	......CC.....	.....	.....

	1930	1940	1950	1960	1970	1980	1990	2000
PF13_0338	AGTTATGACG	GATTAAATTG	TTTGACAC	GTTTATATA	AAAATAAGAC	ACTTGTCAAA	ATCGAATATT	TATTTGAGA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> T.....	.....	.....	.....	.....	.....

	2010	2020	2030	2040	2050	2060	2070	2080
PF13_0338	AAATGATATC	TTTGTGTTC	CTCAAAGGAG	AATATATAA	ACTGAAGGTA	CAGCTATGGA	AAGTCTTTTA	TATTTAATA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> A.....	.....	.....	.....G

	2090	2100	2110	2120	2130	2140	2150	2160
PF13_0338	ATAACAATGT	AAAAAATTA	ATAGATGATA	AAAGTATAAT	ACATTTCTAT	TGTGAATGTA	ATGTTAATAA	TAATGTAATC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....C.....	.....G.....	.....A.....	.....C.....	.....	.....	.....	.....

	2170	2180	2190	2200	2210	2220	2230	2240
PF13_0338	AAAGTTAAT	ATTATATATC	TCCATTTTAT	GATGAAAATA	GTATAAAACA	AGAAATCAAC	AAAAAAGACC	AAGAAATAAC
3D7
RO33C
Palo AltoC
FCR3C
WellcomeC
D6C
T996C
T9102C
K1C
Dd2C
D10C
FCC2C
HB3C
7G8C
<i>P.reichenowi</i>A	.....A.G	.....	.....C

	2250	2260	2270	2280	2290	2300	2310	2320
PF13_0338	TATGATTAAT	AAAACATATAC	CACAAGATGA	AAAAGATATT	CTATTCAATA	ATGAAAAGT	TGTTCCCTTA	TCAAACGAAC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....T	.....	.....A	.....	.....	.....	.....	.....

	2330	2340	2350	2360	2370	2380	2390	2400
PF13_0338	CTCAAGAAAT	TATTCAACCA	CCTATTCAGG	AAAATTAA	TACTACTGAT	CCTTCAAAG	CATATATATA	TGGAGCTAAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A	.....	.....	.....	.....	.....

	2410	2420	2430	2440	2450	
PF13_0338	ATTATATTTA	TTGCAATTAT	ATCTATAATA	TCCTTGCTA	TTTCTTCTTT	CATATAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>GG

PFE0395c

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          10          20          30          40          50          60          70          80
PFE0395c  ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
3D7       ATGAAACGCT GGTC AATCAT TACAAGAAATC GTTATAATAT TCTGCATATT AACATGTAAA GGTC AAGTAG AAAACAAAA
RO33      .....
Palo Alto .....
FCR3      .....
Wellcome  .....
D6        .....
T996     .....
T9102    .....
K1        .....
Dd2      .....
D10      .....
FCC2     .....
HB3      .....
7G8      .....
P.reichenowi .....

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          90          100         110         120         130         140         150         160
PFE0395c  ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
3D7       GGTTGATTTT CGAACAGAAA AAGGAAAGTT CGTGCCCTTA AATCTAGTAC CAGGAGATGT TGTAGAATAT TCGTGCCGT
RO33      .....
Palo Alto .....
FCR3      .....
Wellcome  .....
D6        .....
T996     .....
T9102    .....
K1        .....
Dd2      .....
D10      .....
FCC2     .....
HB3      .....
7G8      .....
P.reichenowi ..G..... ..A..... T..... ..A..... A.....

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          170         180         190         200         210         220         230         240
PFE0395c  ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
3D7       ATAGTTTAAA TAATGATATC CGAAATATGA ATGGGGTTGA ACGAGAACAT TTCGACAATA AAAAATTTTG TTTGATTAT
RO33      .....
Palo Alto .....
FCR3      .....
Wellcome  .....
D6        .....
T996     .....
T9102    .....
K1        .....
Dd2      .....
D10      .....
FCC2     .....
HB3      .....
7G8      .....
P.reichenowi ..... ..G..... C.....

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          250         260         270         280         290         300         310         320
PFE0395c  ....|....| ....|....| ....|....| ....|....| ....|....| ....|....|
3D7       ATATTTGTTG GAAGTAAGTT AACATTTTAA AAAGAATATG TTCGTGGTTC TTATAATGTG GTACATAAAG AAGAAGGGAA
RO33      .....
Palo Alto .....
FCR3      .....
Wellcome  .....
D6        .....
T996     .....
T9102    .....
K1        .....
Dd2      .....
D10      .....
FCC2     .....
HB3      .....
7G8      .....
P.reichenowi ..... ..A..... ..A..... A.....

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	810	820	830	840	850	860	870	880
PF14_0201	AGATAATGAA	AGTGATGATG	ATGTTAATAA	TAATAATAAT	AATAATAATG	ATGATCAAGA	TGAACAAGGT	AAATGATGGT
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
PF14_0201	AT--GTTAC	CTCTTCTATG	AATAAAAATG	AAGATAACAA	AGATTAGAA	CATGGCTCTT	CAAATGATGT	TAATAATAAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.GTTA.....	.....	.....	.....	.....	.....	.....	.....

	970	980	990	1000	1010	1020	1030	1040
PF14_0201	ACAGACACTC	TTGTTAATAA	TAAAGAAAAT	AAAGAATTG	TATTAAAAGA	AAAATCAAGT	TTAACATCTA	AAATTAATAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>

	1050	1060	1070	1080	1090	1100	1110	1120
PF14_0201	AGAATTAGCA	CATAGAACCG	CTCTTTTTAA	TAAATTAGCT	GATAATATAT	CCTTATTATT	GAATAAAAAA	TATGATTCCT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A.....	.....	.....G

	1450	1460	1470	1480	1490	1500	1510	1520
PF14_0201	ATATCACTG	ATATATCTT	TAAATATAAT	CCAAGTGAAA	ATATTATGGA	TCATCAGGAA	ATGGTAAAAA	AGGGTTCTAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2A	.....	.....	.....
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....C	.....T	.....T	.....G	.....A	.....G	.....	.....T

	1530	1540	1550	1560	1570	1580	1590	1600
PF14_0201	AACGGAAGAC	GAATTAAGAA	TTGTTAATGA	CCTTGAACCA	TTAGATAAAT	ATAGAAGAAG	AAAAAGAATT	ACAGAATTAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....T	.....	.....	.....	.....	.....	.....	.....

	1610	1620	1630	1640	1650	1660	1670	1680
PF14_0201	GAAAAATCT	TGTTGAAAA	TAAAGAATCT	TATATTTAGA	AAAGAATAAC	TTATTTAATA	CACAAGCTAG	TTGTATCAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....G	.....	.....T	.....	.....	.....	.....	.....

	1690	1700	1710	1720	1730	1740	1750	1760
PF14_0201	TCGTATTGTT	ACAAGAACC	ATTGAATCTA	AAAACACTAG	AAGTATTATT	AAAGAAAAAT	TATTATAGAT	TAAAAGAAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A	.....	.....G	.....	.....	.....	.....

	2090	2100	2110	2120	2130	2140	2150	2160
PF14_0201	ATATTTTGA	TAGTAATAAC	---ACTGATC	AAAATAATGA	ACAAGAACA	CCAAAACAAG	ACGATCAATT	ACTAAATAAT
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>T AAC.....	.....T.....	.....	.....	.....C.....	.....A.C.	.....G.....

	2170	2180	2190	2200	2210	2220	2230	2240
PF14_0201	AATAATGATG	ATGTCCTATC	AGAATCCAAT	AACGAAAATA	AAGAGAAAAC	AAGCGACGAT	GCAACTCACA	AAGAGACACA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G.....	.....	.....	.....T.....	.....	.....	.....G.....

	2250	2260	2270	2280	2290	2300	2310	2320
PF14_0201	AGAAAAATCA	GATCAAGAAC	CITCACAAA	TATTCAAGAA	GATAATAGTG	ATGAAAAA--	-CATGCAGAA	AATGAGGAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G.....	.....	.....	.....AA A..CA.....	.....	.....C.....

	2330	2340	2350	2360	2370	2380	2390	2400
PF14_0201	ATGTAGAACA	AATTGAAACA	GACAGTAACG	TTTCTGAAGA	AGCTAATGAC	GAAAAATAAG	ACAATATGCA	AACAACAAC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....C.....	.....	.....C.....	.....	.....	.....	.....	.....

	2410	2420	2430	2440	2450	2460	2470	2480
PF14_0201	GATGAAGGAA	CTGAAGAAT	ACAACAAAAT	GATGAAGATG	CTGAATCTCT	AACAAGGAA	AATTCAAAAT	CGGAAGAACA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....G.....	.....	.....	.....	.....G.A.....	.....	.....T.....	.....

	2490	2500	2510	2520	2530	2540	2550	2560
PF14_0201	AGAAAATGAA	GATTCAACAG	ATGCTGAAGC	TATTGACAAA	GAAGAAGTAG	AAACAGAAGA	AAAAGGAAA	GATGAACAAA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>G.....	.....	.....	.....A.....	.....A.....

	2570	2580	2590	2600	2610	2620	2630	2640
PF14_0201	AA-----	-AAAGACGAA	CAAAAAGAAC	AAGATGAAGA	AGAAGATGGC	GAAAAGAAA	ATAACATAA	ATCAAGTGAA
3D7	-----	-----	-----	-----	-----	-----	-----	-----
RO33	-----	-----	-----	-----	-----	-----	-----	-----
Palo Alto	-----	-----	-----	-----	-----	-----	-----	-----
FCR3	-----	-----	-----	-----	-----	-----	-----	-----
Wellcome	-----	-----	-----	-----	-----	-----	-----	-----
D6	-----	-----	-----	-----	-----	.....C.....	-----	-----
T996	-----	-----	-----	-----	-----	-----	-----	-----
T9102	-----	-----	-----	-----	-----	-----	-----	-----
K1	-----	-----	-----	-----	-----	-----	-----	-----
Dd2	-----	-----	.....A.....	-----	-----	-----	-----	-----
D10	-----	-----	-----	-----	-----	-----	-----	-----
FCC2	-----	-----	-----	-----	-----	-----	-----	-----
HB3	-----	-----	-----	-----	-----	-----	-----	-----
7G8	-----	-----	-----	-----	.....A.....	-----	.....G.....	-----
<i>P.reichenowi</i>	.....GACGAACA	A.....	-----	-----	.....A.....	-----	.....G.....	-----

	2650	2660	2670	2680	2690	2700	2710	2720
PF14_0201	ACAACCAACG	AAACAGTAA	TGACATTGAA	GAAAATAAAA	ATGAAGTAAA	AGGTGAAGAA	CACCTACAAG	GATCAGAACA
3D7
RO33
Palo AltoG.....	.....
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A.C.....	.....	.....	.....	.....	.....C.....

	2730	2740	2750	2760	2770	2780	2790	2800
PF14_0201	ATCAATAGAA	GCATCTGAAT	CATCTCAAAA	AGATGAACT	AAAGAAACAG	AAGATAAAGA	AGAATATGTA	AATGCAAATG
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8	...G...	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.G...C..	.....T.	...C.....	.....T.A.	.....	.....	.....	.....

	2810	2820	2830	2840	2850	2860	2870	2880
PF14_0201	ATGATGAATC	TAGTGAAGAA	GATACGACTC	CAATGAAAC	AAACAAAAC	GATAATGGCA	GTTCATTITT	CTTGCTATG
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>A	.....	.....	.....T.	.....	.....

	2890	2900	2910	2920	2930
PF14_0201	AGTAATGCAC	TCTTAGTAAT	TTTACTTTTA	TTATTATAG	AATTCCTATA A
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>

PFF0995c

	10	20	30	40	50	60	70	80
PFF0995c	ATGATGTTTT	TTAAGTGATA	TCAGGTTTTT	ACCTTGGTTT	TTTTGTTGCT	CTTATATTTT	AACAATATTG	TCTACACCCA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.A.T	.....	.....	.....	.....	.....

	90	100	110	120	130	140	150	160
PFF0995c	TGTAGATGAT	ATAAAAAATA	CATCCCAGAA	GAAAATTACA	TATGATAAAT	ATAATAAAAA	TAAAGAAAAT	ATGAATAATG
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.G	.....	.....	.....	.C	.....

	170	180	190	200	210	220	230	240
PFF0995c	AAAAAATGA	TAATAAAGAT	AATAAAGATA	ATATTTATAA	TGATAATATT	ATAATGATA	ATATTAATAA	TGATAATATT
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	G	.....	A	.....	A

	250	260	270	280	290	300	310	320
PFF0995c	AATAATGAAG	ATGAGTATAA	ATTTTATCT	ATGAAACATT	ATAAAGATAG	TTTATCAAT	AAATTAATA	ATGAAATGA
3D7	.....	.....	.....	.....	.....	.....	.....	.....
RO33	.....	.....	.....	.....	.....	.....	.....	.....
Palo Alto	.....	.....	.....	.....	.....	.....	.....	.....
FCR3	.....	.....	.....	.....	.....	.....	.....	.....
Wellcome	.....	.....	.....	.....	.....	.....	.....	.....
D6	.....	.....	.....	.....	.....	.....	.....	.....
T996	.....	.....	.....	.....	.....	.....	.....	.....
T9102	.....	.....	.....	.....	.....	.....	.....	.....
K1	.....	.....	.....	.....	.....	.....	.....	.....
Dd2	.....	.....	.....	.....	.....	.....	.....	.....
D10	.....	.....	.....	.....	.....	.....	.....	.....
FCC2	.....	.....	.....	.....	.....	.....	.....	.....
HB3	.....	.....	.....	.....	.....	.....	.....	.....
7G8	.....	.....	.....	.....	.....	.....	.....	.....
<i>P.reichenowi</i>	.....	.....	.....	A	.....	A	.....	.....

	650	660	670	680	690	700	710	720
PF0995c	TTTCCCAT	TATATAAA	AAATTAGATA	ACGAATCATT	ATCTCTTGAT	AATAAATATG	ATGATTATTA	TAATTTACCA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....T.....	.....A.....	.....A.....	.....G.....	.....C.....	.....C.....	.....G.....	.....

	730	740	750	760	770	780	790	800
PF0995c	AATGATCATA	ATGACACACA	TAAAGAAAT	TCAAGTGATC	ATAATTATT	AGGATATAAA	TTGGGTAACA	ATCTAAAATC
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....G.....	.....	.....	.....	.....	.....A.....	.....T.....	.....C

	810	820	830	840	850	860	870	880
PF0995c	ATATTGATA	GAAGAAATG	ATGTTCTCA	AAAAAAACT	GATGACATAA	ATGAAAGTGC	AAGTAGTGAC	TCTGAAAACA
3D7
RO33
Palo Alto
FCR3
Wellcome
D6
T996
T9102
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i>	.....G.....	.....	.....C.....	.....C.....	.....C.....	.....C.....	.....A.....	.....G

	890	900	910	920	930	940	950	960
PF0995c	TTCAAGAAAT	TCTCAGTACG	GATTCAAATA	CATCTCATT	GAAGGAACGA	AAAAATCAAA	AAGTCCACC	CGGTGAACAT
3D7
RO33
Palo Alto C.....	.....	.....
FCR3
Wellcome
D6
T996
T9102 T.....	.....
K1
Dd2
D10
FCC2
HB3
7G8
<i>P.reichenowi</i> A.....	.....G.....	.....C.....	.....AA
 AA.....	.....C

