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Identifiler loci and approximate size range

Identifiler locus	Color	Size Range 3130xl GS500 Std.	Allele range in Ladder
D8S1179	Blue	123.0bp ± 0.5bp To 169.0 ± 0.5bp	8 to 19
D21S11	Blue	185.0bp ± 0.5bp To 216.0 ± 0.5bp	24 to 38
D7S820	Blue	255.0bp ± 0.5bp To 291.0 ± 0.5bp	6 to 15
CSF1PO	Blue	305.0bp ± 0.5bp To 342.0 ± 0.5bp	6 to 15
D3S1358	Green	112.0bp ± 0.5bp To 140.0 ± 0.5bp	12 to 19
THO1	Green	163.0bp ± 0.5bp To 202.0 ± 0.5bp	4 to 13.3
D13S317	Green	217.0bp ± 0.5bp To 244.0 ± 0.5bp	8 to 15
D16S539	Green	252.0bp ± 0.5bp To 292.0 ± 0.5bp	5 to 15
D2S1338	Green	307.0bp ± 0.5bp To 359.0 ± 0.5bp	15 to 28
D19S433	Yellow	102.0bp ± 0.5bp To 135.0 ± 0.5bp	9 to 17.2
vWA	Yellow	154.0bp ± 0.5bp To 206.0 ± 0.5bp	11 to 24
TPOX	Yellow	222.0bp ± 0.5bp To 250.0 ± 0.5bp	6 to 13
D18S51	Yellow	262.0bp ± 0.5bp To 345.0 ± 0.5bp	7 to 27
Amelogenin	Red	106.0bp ± 0.5bp To 112.0 ± 0.5bp	X and Y
D5S818	Red	134.0bp ± 0.5bp To 172.0 ± 0.5bp	7 to 16
FGA	Red	214.0bp ± 0.5bp To 355.0 ± 0.5bp	17 to 51.2

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MiniFiler loci and approximate size range

MiniFiler	Color	Size Range 3130xl	Allele range in
locus		GS500 Std.	Ladder
D13S317	Blue	90.0 bp ± 0.5 bp	8 to 15
		To 139.0 ± 0.5bp	
D7S820	Blue	141.5bp <u>+</u> 0.5bp	6 to 15
B78020	Bide	To 193.5 ± 0.5bp	0 10 12
Amelogenin	Green	99.3 bp ± 0.5 bp	X and Y
Amerogenin	Giccii	To 109.3 ± 0.5bp	A and 1
D2S1338	Green	110.9 bp ± 0.5 bp	15 to 28
D231336	Green	To 179.9 ± 0.5bp	13 to 28
D21S11	Croon	180.6bp ± 0.5bp	24 to 29
D21311	Green	To 250.6 ± 0.5 bp	24 to 38
D16S539	Yellow	70.0 bp ± 0.5 bp	5 to 15
D103339	renow	To 122.0 ± 0.5 bp	
D18S51	Yellow	122.4 bp ± 0.5 bp	7 to 27
D10331	1 ellow	To 210.4 ± 0.5 bp	/ 10 2 /
CSF1PO	Red	84.6bp ± 0.5bp	6 to 15
CSFIFU	Reu	To 132.6 ± 0.5 bp	0 10 13
ECA	Dad	136.4bp ± 0.5bp	17 to 51 2
FGA	Red	To 296.4 ± 0.5bp	17 to 51.2

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YFiler loci and approximate size range

YFiler locus	Color	Size Range 3130xl GS500 Std.	Allele range in Ladder
DYS456	Blue	103.0bp ± 0.5bp To 123.0 ± 0.5bp	13 to 18
DYS389I	Blue	142.0bp ± 0.5bp To 170.0 ± 0.5bp	10 to 15
DYS390	Blue	193.0bp ± 0.5bp To 237.0 ± 0.5bp	18 to 27
DYS389II	Blue	254.0bp ± 0.5bp To 294.0 ± 0.5bp	24 to 34
DYS458	Green	137.0bp ± 0.5bp To 161.0 ± 0.5bp	14 to 20
DYS19	Green	175.0bp ± 0.5bp To 211.0 ± 0.5bp	10 to 19
DYS385a/b	Green	243.0bp ± 0.5bp To 315.0 ± 0.5bp	7 to 25
DYS393	Yellow	107.0bp ± 0.5bp To 143.0 ± 0.5bp	8 to 16
DYS391	Yellow	148.0bp ± 0.5bp To 180.0 ± 0.5bp	7 to 13
DYS439	Yellow	200.0bp ± 0.5bp To 228.0 ± 0.5bp	8 to 15
DYS635	Yellow	242.0bp ± 0.5bp To 270.0 ± 0.5bp	20 to 26
DYS392	Yellow	291.0bp ± 0.5bp To 327.0 ± 0.5bp	7 to 18
Y GATA H4	Red	122.0bp ± 0.5bp To 142.0 ± 0.5bp	8 to 13
DYS437	Red	182.0bp ± 0.5bp To 202.0 ± 0.5bp	13 to 17
DYS438	Red	223.5bp ± 0.5bp To 248.5 ± 0.5bp	8 to 13
DYS448	Red	276.0bp ± 0.5bp To 324.0 ± 0.5bp	17 to 24

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Macro Filter functions - Allele Filters

Identifiler 28 cycles	Allele Filters
Locus	Stutter Filter 3130xl (OCME validation @ 500pg)
D8S1179	11.2%
D21S11	14.7%
D7S820	11.0%
CSF1PO	10.4%
D3S1358	10.8%
THO1	7.7%
D13S317	9.3%
D16S539	9.7%
D2S1338	10.5%
D19S433	19.1%
vWA	18.1%
TPOX	3.0%
D18S51	13.6%
Amelogenin	none
D5S818	13.3%
FGA	24.6%

For Identifiler, a general 10% filter is also applied to all loci.

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Identifiler 31 cycles	Allele Filters
Locus	Stutter Filter 3130xl (ABI default)
D8S1179	12%
D21S11	13%
D7S820	9%
CSF1PO	9%
D3S1358	11%
THO1	6%
D13S317	10%
D16S539	13%
D2S1338	15%
D19S433	17%
vWA	11%
TPOX	6%
D18S51	16%
Amelogenin	none
D5S818	10%
FGA	11%

For Identifiler, a general 10% filter is also applied to all loci.

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MiniFiler	Allele Filters
Locus	Stutter Filter 3130xl (ABI default)
D13S317	14 %
D7S820	11 %
Amelogenin	None
D2S1338	18 %
D21S11	16 %
D16S539	15 %
D18S51	18 %
CSF1PO	14 %
FGA	15 %

For Minifiler, a general 10% filter is also applied to all loci.

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YFiler	Allele Filters
Locus	Stutter Filter 3130xl (OCME validation @ 500pg)
DYS456	15.77%
DYS389I	13.65%
DYS390	13.01%
DYS389II	20.77%
DYS458	14.94%
DYS19	14.28%
DYS385a/b	14.75%
DYS393	15.71%
DYS391	9.32%
DYS439	11.14%
DYS635	18.93%
DYS392	24.30%
Y GATA H4	14.36%
DYS437	9.27%
DYS438	7.66%
DYS448	7.38%

For YFiler, an 8 % general filter is also applied to all loci.