

AmpF_{STR}® Kit Product Portfolio

Autosomal Locus Guide

AmpF_{STR}® kit locus reference table showing loci amplified by kit, dye label, and probability of identity.

Locus	Chromosome Location	Identifiler®, Identifiler® Plus & Identifiler® Direct Kits	MiniFiler™ Kit	NGM™ Kit	NGM Select™ Kit	Profiler® Plus & Profiler® Plus ID Kits	Cofiler® Kit	SGM Plus® Kit	SEfiler Plus™ Kit	Profiler® Kit
CSF1PO	5q33.3-34	6-FAM™	PET®				JOE™			JOE™
D5S818	5q21-31	PET®				NED™				NED™
D7S820	7q11.21-22	6-FAM™	6-FAM™			NED™	NED™			NED™
D13S317	13q22-31	VIC®	6-FAM™			NED™				NED™
TPOX	2p23-2per	NED™					JOE™			JOE™
D3S1358	3p	VIC®		PET®	PET®	5-FAM™	5-FAM™	5-FAM™	6-FAM™	5-FAM™
D8S1179	8q24.13	6-FAM™		VIC®	VIC®	JOE™		JOE™	VIC®	
D16S539	16q24-qter	VIC®	NED™	6-FAM™	6-FAM™		5-FAM™	5-FAM™	6-FAM™	
D18S51	18q21.3	NED™	NED™	VIC®	VIC®	JOE™		JOE™	PET®	
D21S11	21q11.2-q21	6-FAM™	VIC®	VIC®	VIC®	JOE™		JOE™	PET®	
FGA	4q28	PET®	PET®	NED™	NED™	5-FAM™		NED™	NED™	5-FAM™
TH01	11p15.5	VIC®		NED™	NED™		JOE™	NED™	NED™	JOE™
vWA	12p12-pter	NED™		6-FAM™	6-FAM™	5-FAM™		5-FAM™	6-FAM™	5-FAM™
D2S1338	2q35-37.1	VIC®	VIC®	6-FAM™	6-FAM™			5-FAM™	6-FAM™	
D19S433	19q12-13.1	NED™		NED™	NED™			NED™	NED™	
D1S1656	1q42.2			PET®	PET®					
D2S441	2p14			PET®	PET®					
D10S1248	10q26.3			6-FAM™	6-FAM™					
D12S391	12p13.2			PET®	PET®					
D22S1045	22q12.3			NED™	NED™					
SE33	6q14				PET®				VIC®	
Amelogenin	X: p22.1-22.3 Y: p11.2	PET®	VIC®	VIC®	VIC®	JOE™	JOE™	JOE™	VIC®	JOE™
Probability of Identity										
African American*		1.31 x 10 ⁻¹⁸	6.52 x 10 ⁻¹¹	6.52 x 10 ⁻²⁰	1.75 x 10 ^{-21**}	1.48 x 10 ⁻¹¹	3.15 x 10 ⁻⁷	7.91 x 10 ⁻¹⁴	6.47 x 10 ⁻¹⁵	1.23 x 10 ⁻¹⁰
US Caucasian*		5.01 x 10 ⁻¹⁸	8.21 x 10 ⁻¹¹	2.78 x 10 ⁻¹⁹	4.07 x 10 ^{-21**}	1.04 x 10 ⁻¹¹	1.19 x 10 ⁻⁶	2.99 x 10 ⁻¹³	7.46 x 10 ⁻¹⁴	2.79 x 10 ⁻¹⁰
US Hispanic*		7.65 x 10 ⁻¹⁸	1.05 x 10 ⁻¹⁰	2.59 x 10 ⁻¹⁹	6.62 x 10 ^{-21**}	NA	NA	NA	NA	NA
Native American*		3.62 x 10 ⁻¹⁷	2.08 x 10 ⁻¹⁰	NA	NA	NA	NA	NA	NA	NA

Y Chromosome Locus Guide

Locus	Yfiler™ Kit
DYS456	6-FAM™
DYS389I	6-FAM™
DYS390	6-FAM™
DYS389II	6-FAM™

Locus	Yfiler™ Kit
DYS458	VIC®
DYS19	VIC®
DYS385 a/b	VIC®

Locus	Yfiler™ Kit
DYS393	NED™
DYS391	NED™
DYS439	NED™
DYS635	NED™
DYS392	NED™

Locus	Yfiler™ Kit
Y GATA H4	PET®
DYS437	PET®
DYS438	PET®
DYS448	PET®

* Refer to appropriate User's Manual for additional population information.

** Based on preliminary calculations. Please refer to final User's Manual for complete information.