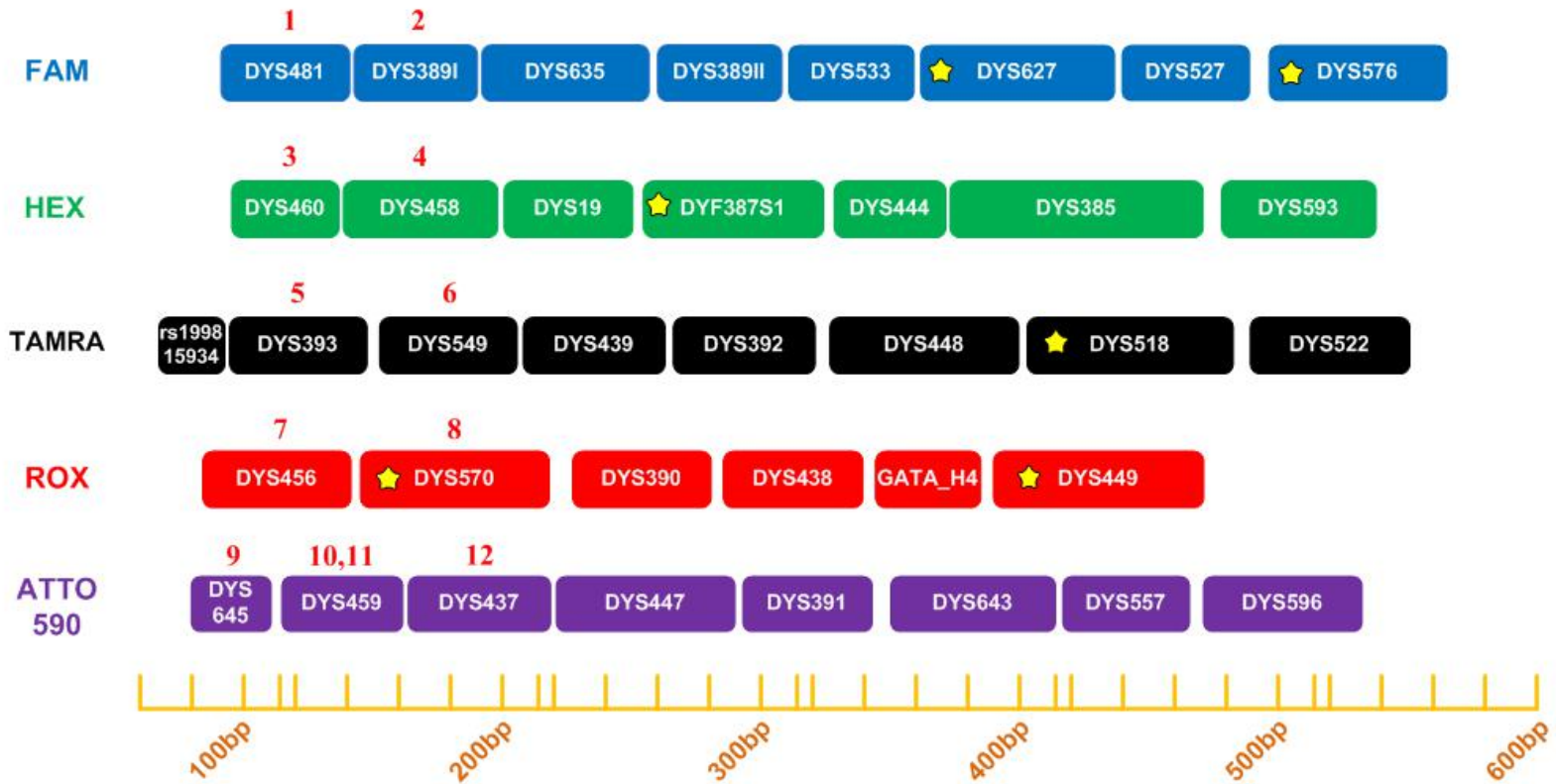


Brief Introduction of Y41SE STR Detection Kit

1. Loci Arrangement Diagram of Y41SE STR Detection Kit



★ Rapid mutant Y-STR locus

1-12 <220bp, Mini-Y-STR locus

2. Features of Y41SE STR Detection Kit

1. **Six-color** fluorescence detection platform, can amplify 40 Y-STR loci including 33 low-mutant loci (mutant rate less than 1%) and **7 rapid mutant loci** (mutant rate higher than 1%) simultaneously, and one Y indel with a very low mutant rate.
2. Y-STR **database construction**, suitable for **male family investigation**, featuring a strong **individual recognition ability**, and having all 35 loci required and preferred in the Y library standard.
3. Y41SE contains **12 mini-STR** (amplifying length under 220bp), which can acquire more information from DNA degraded samples.
4. **Strong compatibility**, compatible with the direct amplification of various samples and the amplification of purified DNA.
5. Rapid amplification, **the whole process is 70min theoretically.**

4.1 Components and Contents of Y41SE STR Detection Kit

Components of PCR Amplification Kit	100 Reactions (Y series)
2.5× PCR Mix	1000μL× 1
5× Primers	500μL× 1
PCR Grade Water	1000μL× 1
Control DNA 9948(0.5ng/μL)	20μL× 1
Taq DNA Polymerase	100μL× 1

Components of PCR Detection Kit	100 Reactions (Y series)
Allelic Ladder	25μL× 1
Orange-600	120μL× 1

Components of Matrix Kit	Free of charge for the first time
6 Dye Matrix	50μL× 1

4.2 Reaction System of Y41SE STR Detection Kit

Component	25 μ L System	10 μ L System
2.5 \times PCR Mix	10.0	4.0
5 \times Primers	5.0	2.0
PCR Grade Water	8.0	2.6
Control DNA 9948(0.5ng/ μ L)	1.0	1.0
Taq DNA Polymerase	1.0	0.4
Total Volume	25.0	10.0

Note: Customers are not recommended to adopt reaction systems under 10 μ l.

4.3 Reaction System and Procedures of Y41SE STR Detection Kit

Y41SE plus

29 Cycles {
95°C/3m
95°C/5s
61°C/1.5m
60°C/10m

Reaction Time: ~70min

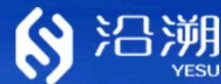
*The number of cycles may vary in accordance with the specific conditions of the laboratory.

WE ARE JUST ON THE WAY
THANK YOU.



Contact Us

Website: <http://www.dnatechlab.com/>



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