

KAPA Genotyping

KAPA Express Extract Lysis

| | 25 μl Reaction | Final Concentration |
|----------------------------|--------------------------------------|----------------------------|
| Express Extract Enzyme | 0.5 μ l | 2 U/rxn |
| 10x Express Extract Buffer | 2.5 μ l | 1x |
| Water | 22 μ l | N/A |

[JASONH] → KAPA_LYS

| Step | Temperature | Duration |
|-------------------|--------------------|-----------------|
| Lysis | 75°C | 10:00 |
| Enzyme Activation | 95°C | 05:00 |
| Incubate | 4°C | Forever |

KAPA Fast HotStart ReadyMix PCR Kit

| | 15 μl Reaction | Final Concentration |
|---------------------------|--------------------------------------|----------------------------|
| 2x Fast HotStart ReadyMix | 7.5 μ l | 1x |
| Water | 6.3 μ l | N/A |
| 10 μ M Primer Mix | 0.6 μ l | 0.10 μ M |
| DNA | 0.6-1 μ | N/A |

[ADOLFO] → K60X35***

| | | | |
|----|---------|--------------|--------|
| 1. | 95°C | 3 mins | x24-40 |
| 2. | 95°C | 10-15 secs | |
| 3. | 60-65°C | 10-15 secs | |
| 4. | 72°C | 1-15 secs/kb | |
| 5. | 72°C | 1 min/kb | |
| 6. | 4°C | Forever | |

***PCR conditions vary