Barcoding PCR (expected size:432 bp)

|  |  |  |  |
| --- | --- | --- | --- |
| Component  (TaKaRa formular) | | Volume (final concentration) | 100V for 24 run |
| 1. sterilizd ddH2O | 26.5 | 53 | 1272 |
| 2. 10X Taq Buffer | 5 | 10 | 240 |
| 3. 2.5 mM dNTP Mixture | 4 | 8 | 192 |
| 4. 10 μM U27F | 2 | 4 | 192 |
| 5. 10 μM U1492R | 2 | 4 |
| 6. 5 U/μl Ex Taq | 0.5 | 1 | 24 |
| 7. Template | 10 | \_20\_\_ | 480 |
| Total volume | 50 | 100 | 2400 |

Create / Select a PCR program (machine ： directory： )

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Stage | Step | | Temp. | | Dwell Time | Cycles | |
| 1 | Step 01 | | 94 °C | | 3 min | 1 | |
|  | | | | | | | |
| 2 | Step 01 | | 94 °C | | 30 sec | 5 | |
| Step 02 | | 52 °C | | 20 sec |
| Step 03 | | 72 °C | | 45 sec |
|  | | | | | | | |
| 3 | Step 01 | | 72 °C | | 10 min | 1 | |
|  | | | | | | | |
| 4 | Step 01 | | 12°C | | 0 | 0 | |
| **U27F+ U1492R(24)** | | **TP37** | | **U27F+ U1492R(32)** | | | **TP46** | |
| **U27F+ U1492R(25)** | | **TP38** | | **U27F+ U1492R(33)** | | | **TP47** | |
| **U27F+ U1492R(26)** | | **TP39** | | **U27F+ U1492R(34)** | | | **TP48** | |
| **U27F+ U1492R(27)** | | **TP40** | | **U27F+ U1492R(35)** | | | **TP49** | |
| **U27F+ U1492R(28)** | | **TP41** | | **U27F+ U1492R(36)** | | | **TP50** | |
| **U27F+ U1492R(29)** | | **TP43** | | **U27F+ U1492R(37)** | | | **TP51** | |
| **U27F+ U1492R(30)** | | **TP44** | |  | | |  | |
| **U27F+ U1492R(31)** | | **TP45** | |  | | |  | |
|  | |  | |  | | |  | |
|  | |  | | **U27F+ U1492R(50)** | | | Negative | |

|  |  |  |  |
| --- | --- | --- | --- |
| **U27F+ U1492R(41)** | **TP19\*** | **U27F+ U1492R(16)** | **TP27** |
| **U27F+ U1492R(42)** | **TP20** | **U27F+ U1492R(17)** | **TP28** |
| **U27F+ U1492R(43)** | **TP21** | **U27F+ U1492R(18)** | **TP29** |
| **U27F+ U1492R(11)** | **TP22** | **U27F+ U1492R(19)** | **TP32** |
| **U27F+ U1492R(12)** | **TP23** | **U27F+ U1492R(20)** | **TP33** |
| **U27F+ U1492R(13)** | **TP24** | **U27F+ U1492R(21)** | **TP34** |
| **U27F+ U1492R(14)** | **TP25** | **U27F+ U1492R(22)** | **TP35** |
| **U27F+ U1492R(15)** | **TP26** | **U27F+ U1492R(23)** | **TP36** |
|  |  |  |  |
|  |  | **U27F+ U1492R(50)** | Negative |