|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Chunk** | **ID** | **Size (bp)** | **Marker** | **Company** | **5’RE** | **3’RE** |
| A1.1 | pJS091 | 2472 | --- | Epoch Biolabls | *BsmB*I | *Pst*I |
| A1.2 | pJS095 | 6253 | --- | Epoch Biolabs | *PstI* | *Bgl*I |
| A2 | pJS097 | 10486 | --- | Epoch Biolabs | *Bgl*I | *Bst*XI |
| A3 | pJS101 | 10652 | *LEU2* | Epoch Biolabs | *Bst*XI | *Bst*EII |
| B1 | pLM084 | 9511 | --- | Epoch Biolabs | *Alw*NI | *Sfi*I |
| B2 | pLM085 | 8570 | --- | Epoch Biolabs | *Sfi*I | *Dra*III |
| B3.1 | pJS183 | 5588 | --- | Epoch Biolabs | *---* | *---* |
| B3.2 | pJS171 | 5854 | --- | Epoch Biolabs | *---* | *---* |
| B3.3 | pJS167 | 1852 | *URA3* | Epoch Biolabs | *---* | *---* |
| B3# | pAW006 | 13295 | *URA3* | Epoch Biolabs | *Dra*III | *Bsi*EI |
| C1 | pLM082 | 10308 | --- | Epoch Biolabs | *Bgl*I | *Bst*XI*\** |
| C2 | pJS127 | 7402 | --- | Epoch Biolabs | *Bst*XI*\** | *Sfi*I |
| C3 | pJS131 | 14603 | *LEU2* | Epoch Biolabs | *Sfi*I | *Rsr*II |
| D1 | pLM135 | 9759 | --- | GenScript | *Bpu*10I | *Bst*EII |
| D2 | pLM139 | 9522 | --- | GenScript | *Bst*EII | *Ava*I |
| D3 | pLM143^ | 10459 | *URA3* | GenScript | *Ava*I | *Btg*I |
| E1 | pLM147 | 8598 | --- | GenScript | *Dra*III | *Sfi*I |
| E2 | pLM167 | 9457 | --- | GenScript | *Sfi*I | *Bst*EII |
| E3 | pLM330 | 11193 | *LEU2* | GenScript | *Bst*EII | *Bse*YI |
| F1 | pLM177 | 11283 | --- | GenScript | *Bgl*I | *Eco31*I |
| F2 | pLM168 | 9573 | --- | GenScript | *Eco31*I | *Sfi*I |
| F3 | pLM169 | 13429 | *URA3* | GenScript | *Sfi*I | *Dra*III |
| G1 | pLM151 | 9742 | --- | GenScript | *BstE*II | *Drd*I |
| G2 | pLM170 | 8608 | --- | GenScript | *Drd*I | *Sfi*I |
| G3 | pLM171 | 11017 | *LEU2* | GenScript | *Sfi*I | *Bst*XI |
| H1 | pLM172 | 10816 | --- | GenScript | *Rsr*II | *Bgl*I |
| H2 | pLM173 | 10506 | --- | GenScript | *Bgl*I | *Blp*I |
| H3 | pLM174 | 10348 | --- | GenScript | *Blp*I | *Dra*III |
| H4 | pLM175 | 11935 | *URA3* | GenScript | *Dra*III | *BstE*II |
| I1 | pLM176 | 2851 | --- | GenScript | *BssS*I | *Bbs*I |

# = assembled from three individual fragments (PCR products amplified from pJS183, pJS171, pJS167) into pRS413 in *S. cerevisiae*

\* = methylation sensitive

^= internal *Ava*I site between synthetic fragment and *URA3* sequence