



U1112
 $\Delta clpB/pEmpty^*$

$\Delta clpB$

$\Delta clpB/clpB^*$

$\Delta clpB/E500A^*$

$\Delta clpB/Q502A^*$

$\Delta clpB/Y503A^*$

$\Delta clpB/E508A^*$

$\Delta clpB/E510A^*$

α -ClpB

α -IglB