RESULTS for yeast secretory pathway spotting experiment:

Please fill out the following chart rating the growth using the following key:

## Abundant Growth = ++; Some visible colonies= +; Minimal evidence of growth= +/- ; No Growth = -

## NOTE: Be sure not to consider the film of dead cells as growth

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | SD-U, 25C | SD-U, 30C | SD-U, 37C | SD-U-H, 25C | SD-U-H,30C | SD-U-H,37C |
| *SEC+* withYep24 |  |  |  |  |  |  |
| *SEC+* withpRSB203 |  |  |  |  |  |  |
| *SEC+* withpRSB204 |  |  |  |  |  |  |
| *sec61* withYep24 |  |  |  |  |  |  |
| *sec61* withpRSB203 |  |  |  |  |  |  |
| *sec61* withpRSB204 |  |  |  |  |  |  |
| *sec18* withYep24 |  |  |  |  |  |  |
| *sec18* withpRSB203 |  |  |  |  |  |  |
| *sec18* withpRSB204 |  |  |  |   |   |  |

*Key to Symbols:* ***SEC*+** = Yeast strain LY527 MATα *SEC18 SEC61* *ura3 his4* ; ***sec61*** = yeast strain LY651 *MATα SEC18 sec61-1 ura3 his4* ; ***sec18***= yeast strain LY689 *MATα sec18-1 SEC61 ura3 his4*; **PLASMIDS: Yep24 =** with *URA3* but lacking *HIS4* ; **pRSB203**= plasmid RSB203-Yep24, a control plasmid with *HIS4* not fused to a secretory signal sequence ; **pRSB204**= plasmid RSB203-Yep24, a plasmid with *HIS4* fused to the alpha secretory signal sequence. Elizabeth Valen at Swarthmore is the original source of the plasmids and 3 strains.