

PROTEIN EXPORT

Sec dependent pathway

Prokaryotic type

Translocation channel and related proteins

| | | |
|---------|--------|--------|
| secY | secE | secG |
| secD... | K03210 | |
| yidC | | |
| secA | K03071 | K13301 |

SRP

| | |
|-----|-----|
| ffh | ffs |
|-----|-----|

SRP receptor

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|------|
| ftsY |
|------|

Eukaryotic type

| | | |
|--------|--------|--------|
| K10956 | K09481 | K07342 |
| K12275 | K09540 | |
| K09490 | | |

| | | | |
|--------|--------|--------|-------|
| K03109 | K03108 | K03105 | RN7SL |
| K03104 | K03107 | ffh | |

| |
|--------|
| K13431 |
| K12272 |

Tat (twin-arginine translocation) system

Prokaryotic type

| | | |
|-------------|--------|------|
| P9301_03761 | K03117 | tatC |
| K03425 | | |

Signal peptidase

Prokaryotic type

| | |
|----------------|--------|
| P9301_05401... | K03101 |
|----------------|--------|

Eukaryotic type

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|--------|--------|--------|--------|
| K12946 | K12947 | K12948 | K13280 |
| K09647 | K09648 | | |

