

TABLE 2. V_{\max} and K_m of glucose transport and specific growth rates^a of the wild-type, *HXT1*, *HXT7*, *TM1*, *TM2*, *TM3*, *TM4*, *TM5*, *TM6**, *TM11*, and *TM12* strains

| Relevant genotype | V_{\max} of (nmol/mg of protein/min) | V_{\max} (% of wild-type value) | K_m (mM) | μ (h^{-1}) | μ (% of wild-type value) |
|-------------------|--|-----------------------------------|------------|---------------------------|------------------------------|
| Wild type | 663 ± 31 | 100 | 76 ± 9.2 | 0.35 | 100 |
| <i>HXT1</i> | 806 ± 140 | 122 | 250 ± 74 | 0.34 | 97 |
| <i>TM12</i> | 302 ± 13 | 46 | 44 ± 4.3 | 0.35 | 100 |
| <i>TM11</i> | 522 ± 47 | 79 | 72 ± 4.0 | 0.36 | 103 |
| <i>HXT7</i> | 125 ± 7.6 | 19 | 2.5 ± 0.6 | 0.34 | 97 |
| <i>TM1</i> | 73 ± 5.2 | 11 | 4.6 ± 1.3 | 0.30 | 86 |
| <i>TM2</i> | 113 ± 3.1 | 17 | 7.0 ± 0.7 | 0.30 | 86 |
| <i>TM3</i> | 129 ± 5.6 | 19 | 6.2 ± 1.4 | 0.28 | 80 |
| <i>TM4</i> | 103 ± 7.0 | 16 | 7.6 ± 2.1 | 0.26 | 74 |
| <i>TM5</i> | 35 ± 1.9 | 5 | 4.9 ± 0.9 | 0.27 | 77 |
| <i>TM6*</i> | 61 ± 2.1 | 9 | 3.5 ± 0.5 | 0.23 | 66 |

^a Specific-growth-rate values were calculated during the respirofermentative phase. The specific growth rate of the *TM6** strain, which shows only one phase, was determined during respiratory metabolism.