**Recombinant proteins and comparison of predicted vs. observed molecular weights.** Proteins cloned and expressed for functional characterization as described in text.

| Name[1] | amino acids[2] | MW (kDa)[2] | PAGE MW[3] | Predicted function[4] | Modules[4,5] |
|---|---|---|---|---|---|
| rLam16A | 1,738 | 186.9 | ~240 | β-1,3-glucanase | GH16/CBM6/CBM6/TSP3/TSP3/TSP3/TSP3/COG3488 |
| rLam16D | 761 | 82.2 | ~90 | β-1,3-glucanase | GH16/CBM32/PSL(48)/TMR |
| rCel5A | 1,117 | 121.9 | ~130 | β-1,4-endoglucanase | GH5/CBM6/CBM6/CBM6/GH5 |
| rGly3D | 1,591 | 174.3 | ~180 | β-glycosidase | CBM32/CBM32/CBM32/GH3/CBM32 |
| rGly5K | 892 | 97.8 | ~115 | (1,3 or 1,4) endoglucanase | GH5/CBM6/CBM6/CBM13 |
| rGly5M | 885 | 96.5 | ~125 | (1,3 or 1,4) endoglucanase | LPB/EPR(34)/GH5/FN3/CBM6 |
| rGly9C | 663 | 72.9 | ~70 | glycanase<25% ID to cellulases | GH9 |
| rGly43M | 1,198 | 130.3 | ~135 | β-glycosidase | LPB/GH43/LGL/LGL |
| rCbm2A | 340 | 36.6 | ~45 | binds crystalline cellulose | CBM2/EPR(48)/UNKNOWN(174) |
| rCbm2B | 1,031 | 110.9 | ~125 | binds crystalline cellulose | CBM2/UNKNOWN(914) |
| rCbm2C | 950 | 99.3 | ~140 | binds crystalline cellulose | CBM2/PSL(58)/Y94/PSL(25)/UNKNOWN(577) |
| rCbm2D-cbm10A | 578 | 58.7 | 15-25[†] | binds crystalline cellulose | CBM2/PSL(43)/CBM10/PSL(101)/UNKNOWN(231) |

Fig. 11