



**Supplemental Figure 2.** Growth, (ADGJ), protein synthesis (BEHK), and secretion (CFIL) in 7-day-old xylose-grown wild type (A-F) and  $\Delta brlA$  (G-L) colonies. Colonies were analyzed before (ABC, GHI) and after transfer (DEF, JKL) to fresh xylose medium. Growth was detected with  $^{14}\text{C}$ -labeled N-acetylglucosamine. Protein synthesis and secretion were monitored by incorporation of  $^{14}\text{C}$ -labeled amino acids. Secreted proteins were immobilized by a PVDF membrane that had been placed underneath the colony.