



Figure S11. Uptake of non-preferred radiolabeled substrates in *E. coli* BI21 omp8 total membrane vesicles, expressing empty plasmid (pB22), Occ channels or *E. coli* OmpG or FadL. Substrates are (A) vanillate (10 μ M, 45 minutes), (B) phenylacetate (10 μ M, 45 minutes) and, (C) citrate (10 μ M, 45 minutes). 100% specific activities correspond to 27.8 ± 1.7 (A), 7.6 ± 0.5 (B) and, 6.2 ± 0.6 (C) pmoles substrate/min/mg protein.