

Supplementary Information for:

Structure of a novel 13 nm dodecahedral nanocage assembled from a redesigned bacterial microcompartment shell protein

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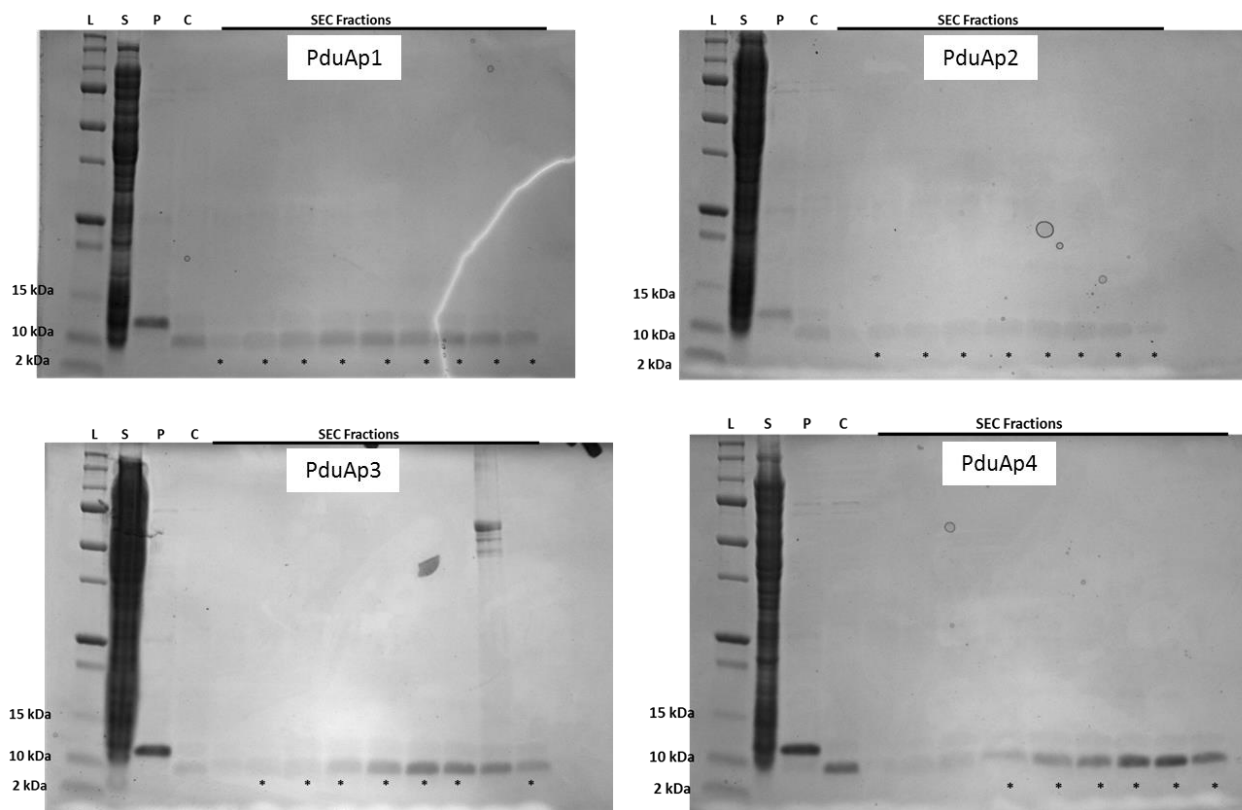


Figure S1. SDS-PAGE gels of the four PduAp purifications. Lanes are marked to indicate the protein standard ladder (L), soluble fractions (S), IMAC purified protein (P), TEV protease cleaved protein (C) and size exclusion chromatography fractions. Fractions pooled for crystallization trials are marked (*).

Table S1. Protein sequences of the four PduAp variants.

>P1
MKAVHVIPRPHTDVEKILPKGIDAVSAEALGMVETKGLTAAIEAADAMVKSANVMLVGYEKIGSGLVTVI
VRGDVGAVKAATDAGAAAARNVG

>P2
MKAVHVIPRPHTDVEKILGLQDAVEALGMVETKGLTAAIEAADAMVKSANVMLVGYEKIGSGLVTVIVRG
DVGAVKAATDAGAAAARNVG

>P3
MKAVHVIPRPHTDVEKILPLTGPPEALGMVETKGLTAAIEAADAMVKSANVMLVGYEKIGSGLVTVIVRG
DVGAVKAATDAGAAAARNVG

>P4
MKAVHVIPRPHTDVEKILGGSGGSEALGMVETKGLTAAIEAADAMVKSANVMLVGYEKIGSGLVTVIVRG
DVGAVKAATDAGAAAARNVG