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## Supplemental Data

# Mutations in *DHDPSL* Are Responsible For Primary Hyperoxaluria Type III

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**Table S1. Primers Used to Amplify *DHDPSL* Coding Sequences**

| Exon | Forward Primer | Reverse Primer |
|---|---|---|
| 1 | GGAGGCCGCAAATTTTTAAC | AGAGCCTGTGTACCCTCCCT |
| 2-3 | TGGGAAGGAAATGTGTGAAAG | TCATGTGAAGCACCACCCTA |
| 4-5 | GCCCTCTCCTGCTTTTCTCT | TGGGTATCTCTTGGTCACCC |
| 6 | TTGATGTAGCCAGCCAAGTG | CCCACACTGGGATGTTCTCT |
| 7 | TCTGGATTCCCAATGTACCC | AAAGGCTGCCTGGAGGAC |

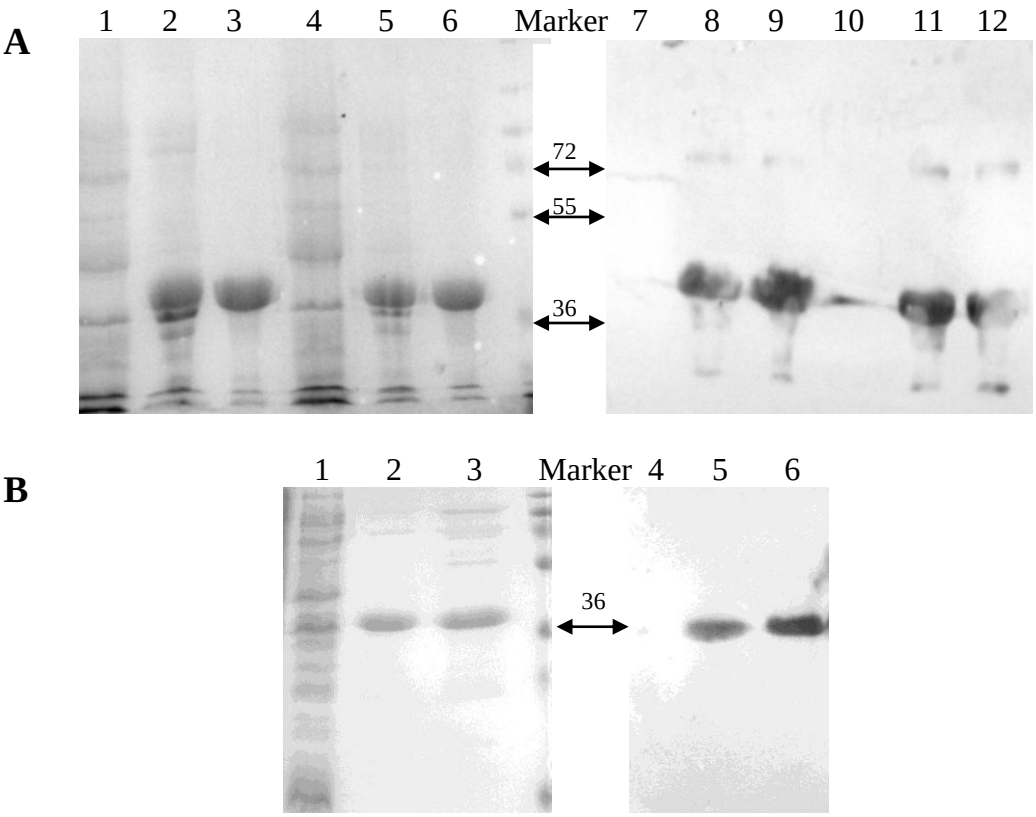


**Figure S1. Expression (A) and Purification (B) of *DHDPSL* Product**

(A) DHDPSL-His (lanes 1-3, 7-9) and His-DHDPSL (lanes 4-6; 10-12) recombinant proteins were expressed in *Origami B* host. Bacterial extracts presented as soluble fraction (lanes 1, 4, 7, 10), insoluble fraction (lanes 2, 5, 8, 11) and washed inclusion bodies (lanes 3, 6, 9, 12). Left side: SDS-PAGE; Right side: immunoblotting anti-His antibodies.

(B) His-DHDPSL affinity purification on $Ni^{2+}$ affinity gel. Soluble fraction (lanes 1 and 4) elution with 200 (lanes 2 and 5) and 400 mM (lanes 3 and 6) imidasol buffer. Left side: SDS-PAGE (10 µg protein/lane); Right side: immunoblotting anti-His antibodies (5 µg protein/lane).