Dark

- Lumen: 4.5 nm
- Stacked stromal gap: 3.5 nm
- Membrane thickness: 4 nm

Deg 1, 5, 8

High light

- Unstacked stromal gap: > 4 nm
- Swelled lumen: ~10 nm

Deg 2, 7

FtsH 1, 2, 5, 8
Fig. 2

PSII complex

- Stacked thylakoids
  - D1 protein
  - Phosphorylation of PSII complex
  - Dephosphorylation of PSII core complex
  - Disassembly of PSII complex
  - Migration of PSII from the grana to the unstacked thylakoids

- Unstacked thylakoids
  - Degradation of D1 protein
  - Migration of PSII from the stroma thylakoids to the grana
  - Insertion of new D1 protein
  - Reassembly of PSII complex

- High light
  - Swelling and unstacking of thylakoids

- Damaged D1 protein
  - Ribosome
  - STN8

- PBCP
  - Deg, FtsH

- PSII complex
  - Migration of PSII from the grana to the unstacked thylakoids