Summary of crystallographically determined Se occupancies for KSeCN derived Se-incorporation at the Fe protein cluster under various conditions. The occupancies were determined in triplicate§ by analyzing three crystals prepared from a specified set of reaction conditions.

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| **Entry** | **Brief Description of reaction conditions\*** | **X3 Occupancy****individual refined occupancies****(average + standard deviation)** | **X4 Occupancy****individual refined occupancies****(average + standard deviation)** |
| **1** | 22 mM KSeCN, w/ MoFe protein | 0.51, 0.39, 0.62 (0.51 ± 0.09) | 0.45, 0.35, 0.48 (0.43 ± 0.06) |
| **2** | 22 mM KSeCN | 0.59, 0.57, 0.54, 0.63 (0.58 ± 0.03) | 0.38, 0.36, 0.32, 0.45 (0.38 ± 0.05) |
| **3** | 11 mM KSeCN | 0.08, 0.09, 0.04 (0.07 ± 0.02) | 0.02, 0.09, 0.07 (0.06 ± 0.03) |
| **4** | 1 mM KSeCN | 0, 0, 0.05 (0.02 ± 0.01) | 0, 0, 0.02 (0.02 ± 0.01) |
| §With the exception of entry 2 for which four crystals were analyzed.  |