**Supplementary Material**

Nest-boxes for Common Swifts *Apus apus* as compensatory measures in the context of building renovation: efficacy and predictors of occupancy

TONIO SCHAUB, PETER J. MEFFERT and GERALD KERTH

**Contents**

Table S1. Overview of the different nest-box types studied

Table S2. Characteristics of nest-boxes

Table S1. Overview of the different nest-box types studied. s = single box; d = double box; t = triple box; L = length; D = depth; H = height. Sources: www.schwegler-natur.de/pdf/Katalog/KatalogDE\_HQ.pdf (accessed on 02 December 2014); T. Pröhl (*Strobel* Co.) *in litt.* 2013; T. Schaub, own measurements.

|  |  |  |  |
| --- | --- | --- | --- |
| Nest-box type | Interior dimensions  (L x D x H; cm) | Material | Height of entrance threshold (cm) |
| *Schwegler 17* (s),  *17C* (d), *17A* (t) | 30 x 14 x 14 | Plant-fibre concrete, wood concrete (entrance hole) | 5 |
| *Schwegler 17B* (s) | 30 x 20 x 14 | Plant-fibre concrete,  wood concrete (entrance hole) | 5 |
| *Schwegler 1MF* (d) | 36 x 16 x 17 | Wood concrete | 0 |
| *Strobel 416*t (s) | 44 x  8.5 (bottom) / 4 (top) x 11 (front) / 4.5 (back) | Wood concrete | 8 |
| *Strobel 416*b (s) | 44 x  4 (bottom) / 8.5 (top) x 11 (front) / 4.5 (back) | Wood concrete | 0 |
| *Strobel 430* (d) | 30 x 18.5 x 20 | Wood concrete | 3 |

Table S2. Characteristics of nest-boxes

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nestbox\_ID** | **Occupancy\_by\_Swifts** | **City\_district** | **Nestbox\_type** | **Orientation** | **Box\_age** | **Number\_of\_neighbours** | **Number\_of\_neighbours\_classes** | **Absolute\_height** | **Absolute\_height\_classes** | **Relative\_height** | **Manner\_of\_installation** |
| Lie01\_S\_01 | 0 | OV | 17X | N | 0 | 8 | 8-14 | 18.02 | d14-18.99d | RE | int |
| Lie01\_S\_02 | 0 | OV | 17X | N | 0 | 8 | 8-14 | 18.02 | d14-18.99d | RE | int |
| Lie01\_S\_03 | 0 | OV | 17X | N | 0 | 8 | 8-14 | 18.02 | d14-18.99d | RE | int |
| Lie01\_S\_04 | 0 | OV | 17X | N | 0 | 8 | 8-14 | 18.02 | d14-18.99d | RE | int |
| Lie01\_S\_05 | 0 | OV | 17X | N | 0 | 8 | 8-14 | 18.02 | d14-18.99d | RE | int |
| Lie01\_S\_06 | 0 | OV | 17X | N | 0 | 8 | 8-14 | 18.02 | d14-18.99d | RE | int |
| Lie01\_S\_07 | 0 | OV | 17X | N | 0 | 8 | 8-14 | 18.02 | d14-18.99d | RE | int |
| Lie01\_S\_08 | 0 | OV | 17X | N | 0 | 8 | 8-14 | 18.02 | d14-18.99d | RE | int |
| Lie01\_S\_09 | 0 | OV | 17X | N | 0 | 8 | 8-14 | 18.02 | d14-18.99d | RE | int |
| Rot02\_R\_01 | 0 | CC | 17X | W | 0 | 0 | 0 | 13.01 | c11-13.99c | RE | int |
| Rot02\_R\_02 | 0 | CC | 17X | W | 0 | 2 | 2 | 12.85 | c11-13.99c | RE | int |
| Rot02\_R\_03 | 0 | CC | 17X | W | 0 | 2 | 2 | 12.85 | c11-13.99c | RE | int |
| Rot02\_R\_04 | 1 | CC | 17X | W | 0 | 2 | 2 | 12.85 | c11-13.99c | RE | int |
| Rot02\_R\_05 | 0 | CC | 17X | W | 0 | 0 | 0 | 9.88 | b8-10.99b | nRE | int |
| Rot02\_R\_06 | 0 | CC | 17X | W | 0 | 0 | 0 | 7.04 | a5-7.99a | nRE | int |
| Rot02\_R\_07 | 0 | CC | 17X | W | 0 | 0 | 0 | 6.89 | a5-7.99a | nRE | int |
| Rot02\_R\_08 | 0 | CC | 17X | W | 0 | 0 | 0 | 6.89 | a5-7.99a | nRE | int |
| Löf37\_SR\_01 | 0 | CC | 17X | W | 0 | 0 | 0 | 10.35 | b8-10.99b | nRE | int |
| Hun10\_R\_01 | 1 | CC | 17X | W | 4 | 0 | 0 | 6.74 | a5-7.99a | RE | int |
| Hun13\_R\_01 | 1 | CC | 17X | W | 4 | 0 | 0 | 6.24 | a5-7.99a | RE | int |
| Ros02b\_V\_01 | 1 | CC | 17X | N | 0 | 2 | 2 | 12.82 | c11-13.99c | RE | ext |
| Ros02b\_V\_02 | 0 | CC | 17X | N | 0 | 2 | 2 | 12.82 | c11-13.99c | RE | ext |
| Ros02b\_V\_03 | 1 | CC | 17X | N | 0 | 2 | 2 | 12.82 | c11-13.99c | RE | ext |
| Ros02b\_R\_01 | 0 | CC | 17X | S | 0 | 2 | 2 | 11.94 | c11-13.99c | RE | int |
| Ros02b\_R\_02 | 1 | CC | 17X | S | 0 | 2 | 2 | 11.94 | c11-13.99c | RE | int |
| Ros02b\_R\_03 | 0 | CC | 17X | S | 0 | 2 | 2 | 11.94 | c11-13.99c | RE | int |
| Ros02b\_R\_04 | 0 | CC | 17X | S | 0 | 2 | 2 | 11.94 | c11-13.99c | RE | int |
| Ros02b\_R\_05 | 0 | CC | 17X | S | 0 | 2 | 2 | 11.94 | c11-13.99c | RE | int |
| Ros02b\_R\_06 | 0 | CC | 17X | S | 0 | 2 | 2 | 11.94 | c11-13.99c | RE | int |
| Ros02b\_R\_07 | 0 | CC | 17X | S | 0 | 0 | 0 | 9.29 | b8-10.99b | nRE | int |
| Ros02b\_R\_08 | 0 | CC | 17X | S | 0 | 0 | 0 | 9.29 | b8-10.99b | nRE | int |
| Ros02b\_R\_09 | 0 | CC | 17X | S | 0 | 0 | 0 | 6.49 | a5-7.99a | nRE | int |
| Ros02b\_R\_10 | 0 | CC | 17X | S | 0 | 0 | 0 | 6.49 | a5-7.99a | nRE | int |
| Löf05\_S\_01 | 1 | CC | 1MF | W | 2 | 1 | 1 | 12.95 | c11-13.99c | RE | ext |
| Löf05\_S\_02 | 1 | CC | 1MF | W | 2 | 1 | 1 | 12.74 | c11-13.99c | RE | ext |
| Löf05\_V\_01 | 0 | CC | 17X | S | 2 | 2 | 2 | 9.44 | b8-10.99b | RE | ext |
| Löf05\_V\_02 | 0 | CC | 17X | S | 2 | 2 | 2 | 9.44 | b8-10.99b | RE | ext |
| Löf05\_V\_03 | 1 | CC | 17X | S | 2 | 2 | 2 | 9.44 | b8-10.99b | RE | ext |
| Sch13\_V\_01 | 1 | CC | 1MF | E | 2 | 1 | 1 | 9.68 | b8-10.99b | RE | ext |
| Sch13\_V\_02 | 1 | CC | 1MF | E | 2 | 1 | 1 | 9.49 | b8-10.99b | RE | ext |
| Sch13\_V\_03 | 1 | CC | 1MF | E | 2 | 1 | 1 | 9.68 | b8-10.99b | RE | ext |
| Sch13\_V\_04 | 0 | CC | 1MF | E | 2 | 1 | 1 | 9.49 | b8-10.99b | RE | ext |
| Sch13\_V\_05 | 1 | CC | 17X | E | 2 | 2 | 2 | 9.95 | b8-10.99b | RE | ext |
| Sch13\_V\_06 | 1 | CC | 17X | E | 2 | 2 | 2 | 9.95 | b8-10.99b | RE | ext |
| Sch13\_V\_07 | 0 | CC | 17X | E | 2 | 2 | 2 | 9.95 | b8-10.99b | RE | ext |
| Kap25\_V\_01 | 1 | CC | 17X | W | 0 | 0 | 0 | 9.30 | b8-10.99b | RE | ext |
| Löf33\_S\_01 | 0 | CC | 17X | W | 0 | 2 | 2 | 9.90 | b8-10.99b | RE | ext |
| Löf33\_S\_02 | 0 | CC | 17X | W | 0 | 2 | 2 | 9.90 | b8-10.99b | RE | ext |
| Löf33\_S\_03 | 0 | CC | 17X | W | 0 | 2 | 2 | 9.90 | b8-10.99b | RE | ext |
| Löf33\_S\_04 | 1 | CC | 17X | W | 0 | 0 | 0 | 9.90 | b8-10.99b | RE | ext |
| Löf33\_V\_01 | 1 | CC | 17X | N | 0 | 2 | 2 | 10.10 | b8-10.99b | RE | ext |
| Löf33\_V\_02 | 1 | CC | 17X | N | 0 | 2 | 2 | 10.10 | b8-10.99b | RE | ext |
| Löf33\_V\_03 | 0 | CC | 17X | N | 0 | 2 | 2 | 10.10 | b8-10.99b | RE | ext |
| Löf33\_V\_04 | 0 | CC | 17X | N | 0 | 2 | 2 | 10.10 | b8-10.99b | RE | ext |
| Löf33\_V\_05 | 1 | CC | 17X | N | 0 | 2 | 2 | 10.10 | b8-10.99b | RE | ext |
| Löf33\_V\_06 | 0 | CC | 17X | N | 0 | 2 | 2 | 10.10 | b8-10.99b | RE | ext |
| Löf34\_V\_01 | 1 | CC | 17X | N | 0 | 2 | 2 | 9.31 | b8-10.99b | RE | ext |
| Löf34\_V\_02 | 0 | CC | 17X | N | 0 | 2 | 2 | 9.31 | b8-10.99b | RE | ext |
| Löf34\_V\_03 | 0 | CC | 17X | N | 0 | 2 | 2 | 9.31 | b8-10.99b | RE | ext |
| Löf35\_V\_01 | 1 | CC | 17X | N | 0 | 2 | 2 | 9.31 | b8-10.99b | RE | ext |
| Löf35\_V\_02 | 0 | CC | 17X | N | 0 | 2 | 2 | 9.31 | b8-10.99b | RE | ext |
| Löf35\_V\_03 | 0 | CC | 17X | N | 0 | 2 | 2 | 9.31 | b8-10.99b | RE | ext |
| Löf36\_V\_01 | 0 | CC | 17X | N | 0 | 2 | 2 | 12.07 | c11-13.99c | RE | ext |
| Löf36\_V\_02 | 0 | CC | 17X | N | 0 | 2 | 2 | 12.07 | c11-13.99c | RE | ext |
| Löf36\_V\_03 | 1 | CC | 17X | N | 0 | 2 | 2 | 12.07 | c11-13.99c | RE | ext |
| Löf36\_V\_04 | 0 | CC | 17X | N | 0 | 0 | 0 | 12.07 | c11-13.99c | RE | ext |
| Koo04a\_V\_01 | 0 | OV | 17X | N | 5 | 0 | 0 | 15.04 | d14-18.99d | RE | int |
| Koo04a\_V\_02 | 0 | OV | 17X | N | 5 | 0 | 0 | 15.04 | d14-18.99d | RE | int |
| Koo05a\_S\_01 | 0 | OV | 17X | E | 5 | 1 | 1 | 12.14 | c11-13.99c | RE | int |
| Koo05a\_S\_02 | 0 | OV | 17X | E | 5 | 1 | 1 | 12.14 | c11-13.99c | RE | int |
| Hel36b\_V\_01 | 0 | OV | 17X | E | 5 | 1 | 1 | 12.47 | c11-13.99c | RE | int |
| Hel36b\_V\_02 | 0 | OV | 17X | E | 5 | 1 | 1 | 12.47 | c11-13.99c | RE | int |
| Hel36a\_V\_01 | 0 | OV | 17X | E | 5 | 1 | 1 | 12.47 | c11-13.99c | RE | int |
| Hel36a\_V\_02 | 1 | OV | 17X | E | 5 | 1 | 1 | 12.47 | c11-13.99c | RE | int |
| Hel35\_V\_01 | 0 | OV | 17X | E | 5 | 1 | 1 | 15.18 | d14-18.99d | RE | int |
| Hel35\_V\_02 | 1 | OV | 17X | E | 5 | 1 | 1 | 15.18 | d14-18.99d | RE | int |
| Koo03b\_R\_01 | 0 | OV | 17X | S | 5 | 1 | 1 | 14.70 | d14-18.99d | RE | int |
| Koo03b\_R\_02 | 1 | OV | 17X | S | 5 | 1 | 1 | 14.70 | d14-18.99d | RE | int |
| Koo04a\_R\_01 | 1 | OV | 17X | S | 5 | 1 | 1 | 14.85 | d14-18.99d | RE | int |
| Koo04a\_R\_02 | 1 | OV | 17X | S | 5 | 1 | 1 | 14.85 | d14-18.99d | RE | int |
| Koo05ab\_R\_01 | 1 | OV | 17X | S | 5 | 1 | 1 | 11.95 | c11-13.99c | RE | int |
| Koo05ab\_R\_02 | 1 | OV | 17X | S | 5 | 1 | 1 | 11.95 | c11-13.99c | RE | int |
| Hel35\_R\_01 | 1 | OV | 17X | W | 5 | 0 | 0 | 14.87 | d14-18.99d | RE | int |
| Hel35\_R\_02 | 1 | OV | 17X | W | 5 | 0 | 0 | 14.87 | d14-18.99d | RE | int |
| Hel34\_R\_01 | 0 | OV | 17X | W | 5 | 1 | 1 | 15.15 | d14-18.99d | RE | int |
| Hel34\_R\_02 | 1 | OV | 17X | W | 5 | 1 | 1 | 15.15 | d14-18.99d | RE | int |
| Hel34\_R\_03 | 1 | OV | 17X | W | 5 | 0 | 0 | 15.17 | d14-18.99d | RE | int |
| Hel33b\_R\_01 | 1 | OV | 17X | W | 5 | 0 | 0 | 15.16 | d14-18.99d | RE | int |
| Hel33a\_R\_01 | 1 | OV | 17X | W | 5 | 0 | 0 | 15.16 | d14-18.99d | RE | int |
| Hel33a\_R\_02 | 1 | OV | 17X | W | 5 | 0 | 0 | 15.16 | d14-18.99d | RE | int |
| Hel26b\_V\_01 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel26b\_V\_02 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel26b\_V\_03 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel26b\_V\_04 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel26b\_V\_05 | 1 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel26b\_V\_06 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel26a\_V\_01 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel26a\_V\_02 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel25b\_V\_01 | 1 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel25b\_V\_02 | 1 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel25b\_V\_03 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel25b\_V\_04 | 1 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel25a\_V\_01 | 1 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel25a\_V\_02 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel25a\_V\_03 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel25a\_V\_04 | 0 | OV | 416t | W | 8 | 1 | 1 | 14.58 | d14-18.99d | RE | int |
| Hel24a\_V\_01 | 0 | OV | 416t | W | 8 | 1 | 1 | 12.10 | c11-13.99c | RE | int |
| Hel24a\_V\_02 | 0 | OV | 416t | W | 8 | 1 | 1 | 12.10 | c11-13.99c | RE | int |
| Hel24a\_V\_03 | 1 | OV | 416t | W | 8 | 1 | 1 | 12.10 | c11-13.99c | RE | int |
| Hel24a\_V\_04 | 0 | OV | 416t | W | 8 | 1 | 1 | 12.10 | c11-13.99c | RE | int |
| Hel24b\_V\_01 | 1 | OV | 416t | W | 8 | 1 | 1 | 12.10 | c11-13.99c | RE | int |
| Hel24b\_V\_02 | 0 | OV | 416t | W | 8 | 1 | 1 | 12.10 | c11-13.99c | RE | int |
| Hel24b\_V\_03 | 0 | OV | 416t | W | 8 | 1 | 1 | 12.10 | c11-13.99c | RE | int |
| Hel24b\_V\_04 | 0 | OV | 416t | W | 8 | 1 | 1 | 12.10 | c11-13.99c | RE | int |
| Hel21a\_R\_01 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.62 | c11-13.99c | RE | int |
| Hel21a\_R\_02 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.62 | c11-13.99c | RE | int |
| Hel21a\_R\_03 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.62 | c11-13.99c | RE | int |
| Hel21a\_R\_04 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.62 | c11-13.99c | RE | int |
| Hel21b\_R\_01 | 0 | OV | 416t | S | 8 | 1 | 1 | 11.62 | c11-13.99c | RE | int |
| Hel21b\_R\_02 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.62 | c11-13.99c | RE | int |
| Hel21b\_R\_03 | 0 | OV | 416t | S | 8 | 1 | 1 | 11.62 | c11-13.99c | RE | int |
| Hel21b\_R\_04 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.62 | c11-13.99c | RE | int |
| Hel23a\_R\_01 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Hel23a\_R\_02 | 0 | OV | 416t | S | 8 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Hel23a\_R\_03 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Hel23a\_R\_04 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Hel23b\_R\_01 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Hel23b\_R\_02 | 0 | OV | 416t | S | 8 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Hel23b\_R\_03 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Hel23b\_R\_04 | 1 | OV | 416t | S | 8 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Hel19b\_S\_01 | 0 | OV | 1MF | W | 1 | 3 | 3-5 | 9.49 | b8-10.99b | RE | ext |
| Hel19b\_S\_02 | 0 | OV | 1MF | W | 1 | 3 | 3-5 | 9.29 | b8-10.99b | RE | ext |
| Hel19b\_S\_03 | 0 | OV | 1MF | W | 1 | 3 | 3-5 | 9.49 | b8-10.99b | RE | ext |
| Hel19b\_S\_04 | 0 | OV | 1MF | W | 1 | 3 | 3-5 | 9.29 | b8-10.99b | RE | ext |
| Hel19b\_S\_05 | 0 | OV | 17X | W | 1 | 0 | 0 | 5.15 | a5-7.99a | nRE | ext |
| Hel13b\_V\_01 | 0 | OV | 17X | E | 2 | 0 | 0 | 9.12 | b8-10.99b | nRE | int |
| Hel13a\_V\_01 | 0 | OV | 17X | E | 2 | 0 | 0 | 7.90 | a5-7.99a | nRE | int |
| Hel12b\_V\_01 | 0 | OV | 17X | E | 2 | 2 | 2 | 10.42 | b8-10.99b | RE | int |
| Hel12b\_V\_02 | 0 | OV | 17X | E | 2 | 2 | 2 | 10.42 | b8-10.99b | RE | int |
| Hel12b\_V\_03 | 0 | OV | 17X | E | 2 | 2 | 2 | 10.42 | b8-10.99b | RE | int |
| Hel12b\_V\_04 | 0 | OV | 17X | E | 2 | 0 | 0 | 7.88 | a5-7.99a | nRE | int |
| Hel11b\_V\_01 | 0 | OV | 1MF | E | 2 | 1 | 1 | 13.25 | c11-13.99c | RE | int |
| Hel11b\_V\_02 | 0 | OV | 1MF | E | 2 | 1 | 1 | 13.05 | c11-13.99c | RE | int |
| Hel11a\_V\_01 | 0 | OV | 17X | E | 2 | 0 | 0 | 8.03 | b8-10.99b | nRE | int |
| Hel10\_V\_01 | 0 | OV | 1MF | E | 2 | 1 | 1 | 10.30 | b8-10.99b | RE | int |
| Hel10\_V\_02 | 0 | OV | 1MF | E | 2 | 1 | 1 | 10.10 | b8-10.99b | RE | int |
| Hel10\_S\_01 | 0 | OV | 1MF | S | 2 | 5 | 3-5 | 10.40 | b8-10.99b | RE | int |
| Hel10\_S\_02 | 0 | OV | 1MF | S | 2 | 5 | 3-5 | 10.22 | b8-10.99b | RE | int |
| Hel10\_S\_03 | 0 | OV | 1MF | S | 2 | 5 | 3-5 | 10.40 | b8-10.99b | RE | int |
| Hel10\_S\_04 | 0 | OV | 1MF | S | 2 | 5 | 3-5 | 10.22 | b8-10.99b | RE | int |
| Hel10\_S\_05 | 0 | OV | 1MF | S | 2 | 5 | 3-5 | 10.40 | b8-10.99b | RE | int |
| Hel10\_S\_06 | 0 | OV | 1MF | S | 2 | 5 | 3-5 | 10.22 | b8-10.99b | RE | int |
| Hel09\_V\_01 | 0 | OV | 430 | S | 2 | 1 | 1 | 10.51 | b8-10.99b | RE | int |
| Hel09\_V\_02 | 0 | OV | 430 | S | 2 | 1 | 1 | 10.51 | b8-10.99b | RE | int |
| Hel09\_V\_03 | 0 | OV | 17X | S | 2 | 0 | 0 | 10.62 | b8-10.99b | RE | int |
| Hel09\_V\_04 | 0 | OV | 430 | S | 2 | 2 | 1 | 10.57 | b8-10.99b | RE | int |
| Hel09\_V\_05 | 0 | OV | 430 | S | 2 | 2 | 1 | 10.57 | b8-10.99b | RE | int |
| Hel09\_V\_06 | 0 | OV | 17X | S | 2 | 2 | 0 | 10.67 | b8-10.99b | RE | int |
| Hel09\_R\_01 | 0 | OV | 17X | N | 2 | 2 | 2 | 9.52 | b8-10.99b | RE | int |
| Hel09\_R\_02 | 0 | OV | 17X | N | 2 | 2 | 2 | 9.52 | b8-10.99b | RE | int |
| Hel09\_R\_03 | 0 | OV | 17X | N | 2 | 2 | 2 | 9.52 | b8-10.99b | RE | int |
| Hel09\_R\_04 | 0 | OV | 430 | N | 2 | 1 | 1 | 9.35 | b8-10.99b | RE | int |
| Hel09\_R\_05 | 1 | OV | 430 | N | 2 | 1 | 1 | 9.35 | b8-10.99b | RE | int |
| Hel11b\_R\_01 | 0 | OV | 17X | W | 2 | 2 | 2 | 12.30 | c11-13.99c | RE | int |
| Hel11b\_R\_02 | 0 | OV | 17X | W | 2 | 2 | 2 | 12.30 | c11-13.99c | RE | int |
| Hel11b\_R\_03 | 0 | OV | 17X | W | 2 | 2 | 2 | 12.30 | c11-13.99c | RE | int |
| Hel13a\_R\_01 | 0 | OV | 17X | W | 2 | 0 | 0 | 6.31 | a5-7.99a | nRE | int |
| Hel13b\_R\_01 | 1 | OV | 17X | W | 2 | 0 | 0 | 9.10 | b8-10.99b | nRE | int |
| Rie15\_S\_01 | 0 | OV | 17X | S | 3 | 5 | 3-5 | 10.09 | b8-10.99b | RE | int |
| Rie15\_S\_02 | 0 | OV | 17X | S | 3 | 5 | 3-5 | 10.09 | b8-10.99b | RE | int |
| Rie15\_S\_03 | 0 | OV | 17X | S | 3 | 5 | 3-5 | 10.09 | b8-10.99b | RE | int |
| Rie15\_S\_04 | 0 | OV | 17X | S | 3 | 5 | 3-5 | 10.09 | b8-10.99b | RE | int |
| Rie15\_S\_05 | 0 | OV | 17X | S | 3 | 5 | 3-5 | 10.09 | b8-10.99b | RE | int |
| Rie15\_S\_06 | 0 | OV | 17X | S | 3 | 5 | 3-5 | 10.09 | b8-10.99b | RE | int |
| Hel08a\_V\_01 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.41 | c11-13.99c | RE | int |
| Hel08a\_V\_02 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.41 | c11-13.99c | RE | int |
| Hel08a\_V\_03 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.41 | c11-13.99c | RE | int |
| Hel07b\_V\_01 | 1 | OV | 17X | S | 3 | 2 | 2 | 11.41 | c11-13.99c | RE | int |
| Hel07b\_V\_02 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.41 | c11-13.99c | RE | int |
| Hel07b\_V\_03 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.41 | c11-13.99c | RE | int |
| Hel07a\_V\_01 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.05 | c11-13.99c | RE | int |
| Hel07a\_V\_02 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.05 | c11-13.99c | RE | int |
| Hel07a\_V\_03 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.05 | c11-13.99c | RE | int |
| Hel06b\_V\_01 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.05 | c11-13.99c | RE | int |
| Hel06b\_V\_02 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.05 | c11-13.99c | RE | int |
| Hel06b\_V\_03 | 0 | OV | 17X | S | 3 | 2 | 2 | 11.05 | c11-13.99c | RE | int |
| Hel06b\_R\_01 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.63 | b8-10.99b | RE | int |
| Hel06b\_R\_02 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.63 | b8-10.99b | RE | int |
| Hel06b\_R\_03 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.63 | b8-10.99b | RE | int |
| Hel07a\_R\_01 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.63 | b8-10.99b | RE | int |
| Hel07a\_R\_02 | 1 | OV | 17X | N | 3 | 2 | 2 | 9.63 | b8-10.99b | RE | int |
| Hel07a\_R\_03 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.63 | b8-10.99b | RE | int |
| Hel07b\_R\_01 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.63 | b8-10.99b | RE | int |
| Hel07b\_R\_02 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.63 | b8-10.99b | RE | int |
| Hel07b\_R\_03 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.63 | b8-10.99b | RE | int |
| Hel08a\_R\_01 | 1 | OV | 17X | N | 3 | 2 | 2 | 9.90 | b8-10.99b | RE | int |
| Hel08a\_R\_02 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.90 | b8-10.99b | RE | int |
| Hel08a\_R\_03 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.90 | b8-10.99b | RE | int |
| Hel08b\_R\_01 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.90 | b8-10.99b | RE | int |
| Hel08b\_R\_02 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.90 | b8-10.99b | RE | int |
| Hel08b\_R\_03 | 0 | OV | 17X | N | 3 | 2 | 2 | 9.90 | b8-10.99b | RE | int |
| Rig04b05a\_R\_01 | 0 | OV | 17X | N | 2 | 5 | 3-5 | 14.11 | d14-18.99d | RE | int |
| Rig04b05a\_R\_02 | 0 | OV | 17X | N | 2 | 5 | 3-5 | 14.11 | d14-18.99d | RE | int |
| Rig04b05a\_R\_03 | 1 | OV | 17X | N | 2 | 5 | 3-5 | 14.11 | d14-18.99d | RE | int |
| Rig04b05a\_R\_04 | 1 | OV | 17X | N | 2 | 5 | 3-5 | 13.94 | c11-13.99c | RE | int |
| Rig04b05a\_R\_05 | 0 | OV | 17X | N | 2 | 5 | 3-5 | 13.94 | c11-13.99c | RE | int |
| Rig04b05a\_R\_06 | 0 | OV | 17X | N | 2 | 5 | 3-5 | 13.94 | c11-13.99c | RE | int |
| Rig02a\_V\_01 | 0 | OV | 17X | S | 2 | 5 | 3-5 | 11.68 | c11-13.99c | RE | int |
| Rig02a\_V\_02 | 0 | OV | 17X | S | 2 | 5 | 3-5 | 11.68 | c11-13.99c | RE | int |
| Rig02a\_V\_03 | 1 | OV | 17X | S | 2 | 5 | 3-5 | 11.68 | c11-13.99c | RE | int |
| Rig02a\_V\_04 | 0 | OV | 17X | S | 2 | 5 | 3-5 | 11.52 | c11-13.99c | RE | int |
| Rig02a\_V\_05 | 0 | OV | 17X | S | 2 | 5 | 3-5 | 11.52 | c11-13.99c | RE | int |
| Rig02a\_V\_06 | 0 | OV | 17X | S | 2 | 5 | 3-5 | 11.52 | c11-13.99c | RE | int |
| Rig04a\_V\_01 | 0 | OV | 17X | S | 2 | 2 | 2 | 11.95 | c11-13.99c | RE | int |
| Rig04a\_V\_02 | 0 | OV | 17X | S | 2 | 2 | 2 | 11.95 | c11-13.99c | RE | int |
| Rig04a\_V\_03 | 1 | OV | 17X | S | 2 | 2 | 2 | 11.95 | c11-13.99c | RE | int |
| Rig05a\_V\_01 | 1 | OV | 17X | S | 2 | 2 | 2 | 14.67 | d14-18.99d | RE | int |
| Rig05a\_V\_02 | 0 | OV | 17X | S | 2 | 2 | 2 | 14.67 | d14-18.99d | RE | int |
| Rig05a\_V\_03 | 0 | OV | 17X | S | 2 | 2 | 2 | 14.67 | d14-18.99d | RE | int |
| Rig07\_V\_01 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.31 | d14-18.99d | RE | int |
| Rig07\_V\_02 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.31 | d14-18.99d | RE | int |
| Rig07\_V\_03 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.31 | d14-18.99d | RE | int |
| Rig07\_V\_04 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.31 | d14-18.99d | RE | int |
| Rig07\_V\_05 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.31 | d14-18.99d | RE | int |
| Rig07\_V\_06 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.31 | d14-18.99d | RE | int |
| Rig07\_V\_07 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.12 | d14-18.99d | RE | int |
| Rig07\_V\_08 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.12 | d14-18.99d | RE | int |
| Rig07\_V\_09 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.12 | d14-18.99d | RE | int |
| Rig07\_V\_10 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.12 | d14-18.99d | RE | int |
| Rig07\_V\_11 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.12 | d14-18.99d | RE | int |
| Rig07\_V\_12 | 0 | OV | 17X | S | 2 | 11 | 8-14 | 17.12 | d14-18.99d | RE | int |
| Rie16a\_V\_01 | 0 | OV | 17X | N | 7 | 0 | 0 | 12.44 | c11-13.99c | RE | int |
| Rie16a\_V\_02 | 1 | OV | 17X | N | 7 | 0 | 0 | 12.44 | c11-13.99c | RE | int |
| Rie16a\_V\_03 | 1 | OV | 17X | N | 7 | 0 | 0 | 12.44 | c11-13.99c | RE | int |
| Hel03\_S\_01 | 0 | OV | 17X | N | 7 | 2 | 2 | 12.14 | c11-13.99c | RE | int |
| Hel03\_S\_02 | 0 | OV | 17X | N | 7 | 2 | 2 | 12.14 | c11-13.99c | RE | int |
| Hel03\_S\_03 | 1 | OV | 17X | N | 7 | 2 | 2 | 12.14 | c11-13.99c | RE | int |
| Hel03\_V\_01 | 1 | OV | 17X | E | 7 | 1 | 1 | 12.49 | c11-13.99c | RE | int |
| Hel03\_V\_02 | 0 | OV | 17X | E | 7 | 1 | 1 | 12.49 | c11-13.99c | RE | int |
| Hel02\_V\_01 | 0 | OV | 17X | E | 7 | 1 | 1 | 12.49 | c11-13.99c | RE | int |
| Hel02\_V\_02 | 0 | OV | 17X | E | 7 | 1 | 1 | 12.49 | c11-13.99c | RE | int |
| Hel01b\_V\_01 | 0 | OV | 17X | E | 7 | 0 | 0 | 12.49 | c11-13.99c | RE | int |
| Hel01a\_V\_01 | 1 | OV | 17X | E | 7 | 0 | 0 | 12.49 | c11-13.99c | RE | int |
| Rig15b\_V\_01 | 0 | OV | 17X | S | 7 | 1 | 1 | 12.80 | c11-13.99c | RE | int |
| Rig15b\_V\_02 | 0 | OV | 17X | S | 7 | 1 | 1 | 12.80 | c11-13.99c | RE | int |
| Rig11a\_V\_01 | 0 | OV | 17X | S | 6 | 1 | 1 | 12.70 | c11-13.99c | RE | int |
| Rig11a\_V\_02 | 1 | OV | 17X | S | 6 | 1 | 1 | 12.70 | c11-13.99c | RE | int |
| Hel30b\_S\_01 | 1 | OV | 17X | S | 6 | 2 | 2 | 15.96 | d14-18.99d | RE | int |
| Hel30b\_S\_02 | 0 | OV | 17X | S | 6 | 2 | 2 | 15.96 | d14-18.99d | RE | int |
| Hel30b\_S\_03 | 0 | OV | 17X | S | 6 | 2 | 2 | 15.96 | d14-18.99d | RE | int |
| Hel30b\_R\_01 | 0 | OV | 17X | E | 6 | 1 | 1 | 15.20 | d14-18.99d | RE | int |
| Hel30b\_R\_02 | 0 | OV | 17X | E | 6 | 1 | 1 | 15.20 | d14-18.99d | RE | int |
| Rig13\_R\_01 | 0 | OV | 17X | N | 7 | 1 | 1 | 14.63 | d14-18.99d | RE | int |
| Rig13\_R\_02 | 1 | OV | 17X | N | 7 | 1 | 1 | 14.63 | d14-18.99d | RE | int |
| Rig14\_R\_01 | 0 | OV | 17X | N | 7 | 1 | 1 | 14.63 | d14-18.99d | RE | int |
| Rig14\_R\_02 | 1 | OV | 17X | N | 7 | 1 | 1 | 14.63 | d14-18.99d | RE | int |
| Rig15b\_R\_01 | 0 | OV | 17X | N | 7 | 1 | 0 | 11.75 | c11-13.99c | RE | int |
| Rig15b\_R\_02 | 1 | OV | 17X | N | 7 | 1 | 0 | 11.75 | c11-13.99c | RE | int |
| Rie16a\_R\_01 | 1 | OV | 17X | S | 7 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Rie16a\_R\_02 | 0 | OV | 17X | S | 7 | 1 | 1 | 11.64 | c11-13.99c | RE | int |
| Rie17b\_S\_01 | 1 | OV | 17X | W | 7 | 0 | 0 | 12.37 | c11-13.99c | RE | int |
| Rie17b\_S\_02 | 0 | OV | 17X | W | 7 | 0 | 0 | 12.37 | c11-13.99c | RE | int |
| Ged01a\_S\_01 | 1 | OV | 17X | N | 4 | 2 | 2 | 13.95 | c11-13.99c | RE | int |
| Ged01a\_S\_02 | 0 | OV | 17X | N | 4 | 2 | 2 | 13.95 | c11-13.99c | RE | int |
| Ged01a\_S\_03 | 0 | OV | 17X | N | 4 | 2 | 2 | 13.95 | c11-13.99c | RE | int |
| Ged03b\_V\_01 | 0 | OV | 17X | W | 4 | 2 | 2 | 11.29 | c11-13.99c | RE | int |
| Ged03b\_V\_02 | 0 | OV | 17X | W | 4 | 2 | 2 | 11.29 | c11-13.99c | RE | int |
| Ged03b\_V\_03 | 1 | OV | 17X | W | 4 | 2 | 2 | 11.29 | c11-13.99c | RE | int |
| Ged04a\_V\_01 | 0 | OV | 17X | S | 4 | 2 | 2 | 14.01 | d14-18.99d | RE | int |
| Ged04a\_V\_02 | 0 | OV | 17X | S | 4 | 2 | 2 | 14.01 | d14-18.99d | RE | int |
| Ged04a\_V\_03 | 1 | OV | 17X | S | 4 | 2 | 2 | 14.01 | d14-18.99d | RE | int |
| Ged04b\_V\_01 | 0 | OV | 17X | S | 4 | 2 | 2 | 14.01 | d14-18.99d | RE | int |
| Ged04b\_V\_02 | 0 | OV | 17X | S | 4 | 2 | 2 | 14.01 | d14-18.99d | RE | int |
| Ged04b\_V\_03 | 0 | OV | 17X | S | 4 | 2 | 2 | 14.01 | d14-18.99d | RE | int |
| Ged06a\_V\_01 | 0 | OV | 17X | S | 4 | 2 | 2 | 14.16 | d14-18.99d | RE | int |
| Ged06a\_V\_02 | 0 | OV | 17X | S | 4 | 2 | 2 | 14.16 | d14-18.99d | RE | int |
| Ged06a\_V\_03 | 0 | OV | 17X | S | 4 | 2 | 2 | 14.16 | d14-18.99d | RE | int |
| Ged08a\_V\_01 | 0 | OV | 416b | E | 6 | 0 | 0 | 14.98 | d14-18.99d | RE | int |
| Ged08a\_V\_02 | 0 | OV | 416b | E | 6 | 0 | 0 | 14.98 | d14-18.99d | RE | int |
| Ged08b\_V\_01 | 0 | OV | 416b | E | 6 | 0 | 0 | 14.98 | d14-18.99d | RE | int |
| Ged08b\_V\_02 | 1 | OV | 416b | E | 6 | 0 | 0 | 14.98 | d14-18.99d | RE | int |
| Ged09a\_V\_01 | 0 | OV | 416b | E | 6 | 0 | 0 | 14.98 | d14-18.99d | RE | int |
| Ged09a\_V\_02 | 0 | OV | 416b | E | 6 | 0 | 0 | 14.98 | d14-18.99d | RE | int |
| Ged09b\_V\_01 | 0 | OV | 416b | E | 6 | 0 | 0 | 14.98 | d14-18.99d | RE | int |
| Ged09b\_V\_02 | 1 | OV | 416b | E | 6 | 0 | 0 | 14.98 | d14-18.99d | RE | int |
| Ged05b\_R\_01 | 0 | OV | 17X | E | 4 | 2 | 2 | 10.75 | b8-10.99b | RE | int |
| Ged05b\_R\_02 | 0 | OV | 17X | E | 4 | 2 | 2 | 10.75 | b8-10.99b | RE | int |
| Ged05b\_R\_03 | 0 | OV | 17X | E | 4 | 2 | 2 | 10.75 | b8-10.99b | RE | int |
| Ged05a\_R\_01 | 0 | OV | 17X | N | 4 | 2 | 2 | 13.65 | c11-13.99c | RE | int |
| Ged05a\_R\_02 | 0 | OV | 17X | N | 4 | 2 | 2 | 13.65 | c11-13.99c | RE | int |
| Ged05a\_R\_03 | 1 | OV | 17X | N | 4 | 2 | 2 | 13.65 | c11-13.99c | RE | int |
| Ged03a\_R\_01 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged03a\_R\_02 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged03a\_R\_03 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged02\_R\_01 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged02\_R\_02 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged02\_R\_03 | 1 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged01b\_R\_01 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged01b\_R\_02 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged01b\_R\_03 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged01a\_R\_01 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged01a\_R\_02 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Ged01a\_R\_03 | 0 | OV | 17X | E | 4 | 2 | 2 | 13.61 | c11-13.99c | RE | int |
| Rig25\_S\_01 | 1 | OV | 17X | E | 5 | 4 | 3-5 | 17.90 | d14-18.99d | RE | int |
| Rig25\_S\_02 | 1 | OV | 17X | E | 5 | 4 | 3-5 | 17.90 | d14-18.99d | RE | int |
| Rig25\_S\_03 | 0 | OV | 17X | E | 5 | 4 | 3-5 | 17.90 | d14-18.99d | RE | int |
| Rig25\_S\_04 | 0 | OV | 17X | E | 5 | 4 | 3-5 | 17.90 | d14-18.99d | RE | int |
| Rig25\_S\_05 | 0 | OV | 17X | E | 5 | 4 | 3-5 | 17.90 | d14-18.99d | RE | int |
| Rig27\_V\_01 | 0 | OV | 17X | N | 5 | 5 | 3-5 | 18.09 | d14-18.99d | RE | int |
| Rig27\_V\_02 | 0 | OV | 17X | N | 5 | 5 | 3-5 | 18.09 | d14-18.99d | RE | int |
| Rig27\_V\_03 | 1 | OV | 17X | N | 5 | 5 | 3-5 | 18.09 | d14-18.99d | RE | int |
| Rig27\_V\_04 | 0 | OV | 17X | N | 5 | 5 | 3-5 | 18.09 | d14-18.99d | RE | int |
| Rig27\_V\_05 | 0 | OV | 17X | N | 5 | 5 | 3-5 | 18.09 | d14-18.99d | RE | int |
| Rig27\_V\_06 | 1 | OV | 17X | N | 5 | 5 | 3-5 | 18.09 | d14-18.99d | RE | int |
| Ged15\_V\_01 | 0 | OV | 17X | S | 7 | 2 | 2 | 12.25 | c11-13.99c | RE | int |
| Ged15\_V\_02 | 0 | OV | 17X | S | 7 | 2 | 2 | 12.25 | c11-13.99c | RE | int |
| Ged15\_V\_03 | 0 | OV | 17X | S | 7 | 2 | 2 | 12.25 | c11-13.99c | RE | int |
| Ged12\_V\_01 | 0 | OV | 17X | S | 7 | 2 | 2 | 12.06 | c11-13.99c | RE | int |
| Ged12\_V\_02 | 0 | OV | 17X | S | 7 | 2 | 2 | 12.06 | c11-13.99c | RE | int |
| Ged12\_V\_03 | 0 | OV | 17X | S | 7 | 2 | 2 | 12.06 | c11-13.99c | RE | int |
| Rig20a\_R\_01 | 1 | OV | 17X | S | 6 | 2 | 2 | 14.78 | d14-18.99d | RE | int |
| Rig20a\_R\_02 | 0 | OV | 17X | S | 6 | 2 | 2 | 14.78 | d14-18.99d | RE | int |
| Rig20a\_R\_03 | 0 | OV | 17X | S | 6 | 2 | 2 | 14.78 | d14-18.99d | RE | int |
| Rig19a\_R\_01 | 0 | OV | 17X | S | 6 | 2 | 2 | 14.78 | d14-18.99d | RE | int |
| Rig19a\_R\_02 | 0 | OV | 17X | S | 6 | 2 | 2 | 14.78 | d14-18.99d | RE | int |
| Rig19a\_R\_03 | 0 | OV | 17X | S | 6 | 2 | 2 | 14.78 | d14-18.99d | RE | int |
| Rig18a\_R\_01 | 0 | OV | 17X | S | 6 | 2 | 2 | 14.78 | d14-18.99d | RE | int |
| Rig18a\_R\_02 | 0 | OV | 17X | S | 6 | 2 | 2 | 14.78 | d14-18.99d | RE | int |
| Rig18a\_R\_03 | 1 | OV | 17X | S | 6 | 2 | 2 | 14.78 | d14-18.99d | RE | int |
| Ged18b\_R\_01 | 0 | OV | 17X | W | 7 | 2 | 2 | 11.97 | c11-13.99c | RE | int |
| Ged18b\_R\_02 | 0 | OV | 17X | W | 7 | 2 | 2 | 11.97 | c11-13.99c | RE | int |
| Ged18b\_R\_03 | 0 | OV | 17X | W | 7 | 2 | 2 | 11.97 | c11-13.99c | RE | int |
| Ged17a\_R\_01 | 0 | OV | 17X | W | 7 | 2 | 2 | 11.97 | c11-13.99c | RE | int |
| Ged17a\_R\_02 | 0 | OV | 17X | W | 7 | 2 | 2 | 11.97 | c11-13.99c | RE | int |
| Ged17a\_R\_03 | 0 | OV | 17X | W | 7 | 2 | 2 | 11.97 | c11-13.99c | RE | int |
| Lom55\_S\_01 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_02 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_03 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_04 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_05 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_06 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_07 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_08 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_09 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_10 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_11 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_12 | 0 | SW | 17X | S | 3 | 11 | 8-14 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_13 | 0 | SW | 17X | S | 3 | 2 | 2 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_14 | 0 | SW | 17X | S | 3 | 2 | 2 | 16.25 | d14-18.99d | RE | int |
| Lom55\_S\_15 | 0 | SW | 17X | S | 3 | 2 | 2 | 16.25 | d14-18.99d | RE | int |
| Lom51\_S\_01 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_02 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_03 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_04 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_05 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_06 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_07 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_08 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_09 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_10 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_11 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_12 | 0 | SW | 17X | N | 3 | 11 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_13 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_14 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_15 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_16 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_17 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_18 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_19 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_20 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_21 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_22 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_23 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_24 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_25 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_26 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Lom51\_S\_27 | 0 | SW | 17X | N | 3 | 14 | 8-14 | 16.66 | d14-18.99d | RE | int |
| Thä05\_S\_01 | 1 | SW | 17X | W | 1 | 0 | 0 | 17.80 | d14-18.99d | RE | int |
| Thä05\_V\_01 | 1 | SW | 1MF | S | 1 | 1 | 1 | 17.70 | d14-18.99d | RE | int |
| Thä05\_V\_02 | 0 | SW | 1MF | S | 1 | 1 | 1 | 17.50 | d14-18.99d | RE | int |
| Thä06\_V\_01 | 1 | SW | 17X | S | 1 | 0 | 0 | 17.78 | d14-18.99d | RE | int |
| Thä07\_V\_01 | 1 | SW | 17X | S | 1 | 0 | 0 | 17.62 | d14-18.99d | RE | int |
| Thä07\_V\_02 | 0 | SW | 1MF | S | 1 | 1 | 1 | 17.74 | d14-18.99d | RE | int |
| Thä07\_V\_03 | 0 | SW | 1MF | S | 1 | 1 | 1 | 17.58 | d14-18.99d | RE | int |
| Thä07\_S\_01 | 1 | SW | 17X | E | 1 | 0 | 0 | 17.35 | d14-18.99d | RE | int |
| Thä07\_R\_01 | 1 | SW | 17X | N | 1 | 0 | 0 | 17.54 | d14-18.99d | RE | int |
| Thä05\_R\_01 | 1 | SW | 17X | N | 1 | 0 | 0 | 17.39 | d14-18.99d | RE | int |
| Dub0506\_V\_01 | 0 | SW | 1MF | S | 2 | 1 | 1 | 17.60 | d14-18.99d | RE | int |
| Dub0506\_V\_02 | 0 | SW | 1MF | S | 2 | 1 | 1 | 17.34 | d14-18.99d | RE | int |
| Dub0506\_V\_03 | 1 | SW | 17X | S | 2 | 0 | 0 | 17.19 | d14-18.99d | RE | int |
| Dub0506\_R\_01 | 0 | SW | 1MF | N | 2 | 1 | 1 | 17.23 | d14-18.99d | RE | int |
| Dub0506\_R\_02 | 1 | SW | 1MF | N | 2 | 1 | 1 | 17.03 | d14-18.99d | RE | int |
| Dub0506\_R\_05 | 1 | SW | 17X | N | 2 | 0 | 0 | 17.53 | d14-18.99d | RE | int |
| Dub0506\_S\_01 | 0 | SW | 17X | E | 2 | 2 | 2 | 17.15 | d14-18.99d | RE | int |
| Dub0506\_S\_02 | 1 | SW | 17X | E | 2 | 2 | 2 | 17.15 | d14-18.99d | RE | int |
| Dub0506\_S\_03 | 1 | SW | 17X | E | 2 | 2 | 2 | 17.15 | d14-18.99d | RE | int |
| Dub0506\_S\_04 | 1 | SW | 1MF | E | 2 | 1 | 1 | 16.88 | d14-18.99d | RE | int |
| Dub0506\_S\_05 | 0 | SW | 1MF | E | 2 | 1 | 1 | 16.61 | d14-18.99d | RE | int |
| Vie01\_S\_01 | 0 | SW | 430 | W | 1 | 1 | 1 | 15.40 | d14-18.99d | nRE | int |
| Vie01\_S\_02 | 0 | SW | 430 | W | 1 | 1 | 1 | 15.40 | d14-18.99d | nRE | int |
| Vie01\_S\_03 | 0 | SW | 430 | W | 1 | 1 | 1 | 15.40 | d14-18.99d | nRE | int |
| Vie01\_S\_04 | 1 | SW | 430 | W | 1 | 1 | 1 | 15.40 | d14-18.99d | nRE | int |
| Vie01\_S\_05 | 0 | SW | 17X | W | 1 | 2 | 2 | 11.46 | c11-13.99c | nRE | int |
| Vie01\_S\_06 | 0 | SW | 17X | W | 1 | 2 | 2 | 11.46 | c11-13.99c | nRE | int |
| Vie01\_S\_07 | 0 | SW | 17X | W | 1 | 2 | 2 | 11.46 | c11-13.99c | nRE | int |
| Vie01\_S\_08 | 0 | SW | 1MF | W | 1 | 1 | 1 | 7.45 | a5-7.99a | nRE | int |
| Vie01\_S\_09 | 0 | SW | 1MF | W | 1 | 1 | 1 | 7.20 | a5-7.99a | nRE | int |
| Vie0104\_V\_01 | 1 | SW | 17X | S | 1 | 1 | 1 | 17.18 | d14-18.99d | RE | int |
| Vie0104\_V\_02 | 0 | SW | 17X | S | 1 | 1 | 1 | 17.18 | d14-18.99d | RE | int |
| Vie0104\_V\_03 | 0 | SW | 17X | S | 1 | 0 | 0 | 8.96 | b8-10.99b | nRE | int |
| Vie0104\_V\_04 | 1 | SW | 17X | S | 1 | 0 | 0 | 17.21 | d14-18.99d | RE | int |
| Vie0506\_V\_01 | 0 | SW | 17X | W | 1 | 0 | 0 | 6.10 | a5-7.99a | nRE | int |
| Vie0506\_V\_02 | 1 | SW | 17X | W | 1 | 0 | 0 | 11.55 | c11-13.99c | nRE | int |
| Vie0506\_V\_03 | 0 | SW | 1MF | W | 1 | 1 | 1 | 17.38 | d14-18.99d | RE | int |
| Vie0506\_V\_04 | 0 | SW | 1MF | W | 1 | 1 | 1 | 17.19 | d14-18.99d | RE | int |
| Vie06\_S\_01 | 0 | SW | 1MF | S | 1 | 1 | 1 | 17.38 | d14-18.99d | RE | int |
| Vie06\_S\_02 | 0 | SW | 1MF | S | 1 | 1 | 1 | 17.19 | d14-18.99d | RE | int |
| Vie06\_S\_03 | 0 | SW | 17X | S | 1 | 0 | 0 | 9.34 | b8-10.99b | nRE | int |
| Vie0506\_R\_01 | 0 | SW | 17X | E | 1 | 0 | 0 | 17.22 | d14-18.99d | RE | int |
| Vie0506\_R\_02 | 1 | SW | 17X | E | 1 | 0 | 0 | 17.22 | d14-18.99d | RE | int |
| Vie0506\_R\_03 | 0 | SW | 17X | E | 1 | 0 | 0 | 17.22 | d14-18.99d | RE | int |
| Vie04\_S\_01 | 0 | SW | 17X | E | 1 | 0 | 0 | 16.97 | d14-18.99d | RE | int |
| Vie0104\_R\_01 | 0 | SW | 1MF | N | 1 | 1 | 1 | 16.39 | d14-18.99d | RE | int |
| Vie0104\_R\_02 | 1 | SW | 1MF | N | 1 | 1 | 1 | 16.29 | d14-18.99d | RE | int |
| Vie0104\_R\_03 | 0 | SW | 1MF | N | 1 | 1 | 1 | 17.52 | d14-18.99d | RE | int |
| Vie0104\_R\_04 | 1 | SW | 1MF | N | 1 | 1 | 1 | 17.25 | d14-18.99d | RE | int |
| Ein06\_R\_01 | 1 | SW | 1MF | W | 1 | 1 | 1 | 14.40 | d14-18.99d | RE | ext |
| Ein06\_R\_02 | 0 | SW | 1MF | W | 1 | 1 | 1 | 14.21 | d14-18.99d | RE | ext |
| Ein06\_R\_03 | 0 | SW | 17X | W | 1 | 0 | 0 | 6.04 | a5-7.99a | nRE | ext |
| Ein06\_R\_04 | 0 | SW | 1MF | W | 1 | 1 | 1 | 14.43 | d14-18.99d | RE | ext |
| Ein06\_R\_05 | 0 | SW | 1MF | W | 1 | 1 | 1 | 14.19 | d14-18.99d | RE | ext |
| Ein06\_R\_06 | 0 | SW | 17X | W | 1 | 0 | 0 | 14.54 | d14-18.99d | RE | ext |
| Brü04\_S\_01 | 1 | SW | 17X | W | 0 | 2 | 2 | 18.15 | d14-18.99d | RE | ext |
| Brü04\_S\_02 | 0 | SW | 17X | W | 0 | 2 | 2 | 18.15 | d14-18.99d | RE | ext |
| Brü04\_S\_03 | 0 | SW | 17X | W | 0 | 2 | 2 | 18.15 | d14-18.99d | RE | ext |
| Brü04\_S\_04 | 0 | SW | 17X | W | 0 | 2 | 2 | 18.15 | d14-18.99d | RE | ext |
| Brü04\_S\_05 | 0 | SW | 17X | W | 0 | 2 | 2 | 18.15 | d14-18.99d | RE | ext |
| Brü04\_S\_06 | 0 | SW | 17X | W | 0 | 2 | 2 | 18.15 | d14-18.99d | RE | ext |
| Brü04\_S\_07 | 0 | SW | 1MF | W | 0 | 1 | 1 | 18.05 | d14-18.99d | RE | ext |
| Brü04\_S\_08 | 0 | SW | 1MF | W | 0 | 1 | 1 | 17.85 | d14-18.99d | RE | ext |
| Lis01a\_S\_01 | 0 | SW | 17X | W | 0 | 2 | 2 | 16.77 | d14-18.99d | RE | ext |
| Lis01a\_S\_02 | 0 | SW | 17X | W | 0 | 2 | 2 | 16.77 | d14-18.99d | RE | ext |
| Lis01a\_S\_03 | 0 | SW | 17X | W | 0 | 2 | 2 | 16.77 | d14-18.99d | RE | ext |
| Lis01a\_S\_04 | 1 | SW | 1MF | W | 0 | 1 | 1 | 16.61 | d14-18.99d | RE | ext |
| Lis01a\_S\_05 | 1 | SW | 1MF | W | 0 | 1 | 1 | 16.42 | d14-18.99d | RE | ext |
| Mak13a\_V\_01 | 0 | SW | 17X | N | 2 | 2 | 2 | 17.64 | d14-18.99d | RE | int |
| Mak13a\_V\_02 | 0 | SW | 17X | N | 2 | 2 | 2 | 17.64 | d14-18.99d | RE | int |
| Mak13a\_V\_03 | 0 | SW | 17X | N | 2 | 2 | 2 | 17.64 | d14-18.99d | RE | int |
| Mak13a\_V\_04 | 0 | SW | 17X | N | 2 | 0 | 0 | 17.64 | d14-18.99d | RE | int |
| Mak14b\_S\_01 | 0 | SW | 17X | W | 2 | 2 | 2 | 15.69 | d14-18.99d | nRE | int |
| Mak14b\_S\_02 | 0 | SW | 17X | W | 2 | 2 | 2 | 15.69 | d14-18.99d | nRE | int |
| Mak14b\_S\_03 | 0 | SW | 17X | W | 2 | 2 | 2 | 15.69 | d14-18.99d | nRE | int |
| Mak14b\_S\_04 | 0 | SW | 17X | W | 2 | 2 | 2 | 14.52 | d14-18.99d | nRE | int |
| Mak14b\_S\_05 | 0 | SW | 17X | W | 2 | 2 | 2 | 14.52 | d14-18.99d | nRE | int |
| Mak14b\_S\_06 | 0 | SW | 17X | W | 2 | 2 | 2 | 14.52 | d14-18.99d | nRE | int |
| Mak14b\_S\_07 | 0 | SW | 17X | W | 2 | 2 | 2 | 13.31 | c11-13.99c | nRE | int |
| Mak14b\_S\_08 | 0 | SW | 17X | W | 2 | 2 | 2 | 13.31 | c11-13.99c | nRE | int |
| Mak14b\_S\_09 | 0 | SW | 17X | W | 2 | 2 | 2 | 13.31 | c11-13.99c | nRE | int |
| Mak14b\_S\_10 | 0 | SW | 17X | W | 2 | 2 | 2 | 12.13 | c11-13.99c | nRE | int |
| Mak14b\_S\_11 | 0 | SW | 17X | W | 2 | 2 | 2 | 12.13 | c11-13.99c | nRE | int |
| Mak14b\_S\_12 | 0 | SW | 17X | W | 2 | 2 | 2 | 12.13 | c11-13.99c | nRE | int |
| Mak14b\_S\_13 | 0 | SW | 17X | W | 2 | 2 | 2 | 15.69 | d14-18.99d | nRE | int |
| Mak14b\_S\_14 | 0 | SW | 17X | W | 2 | 2 | 2 | 15.69 | d14-18.99d | nRE | int |
| Mak14b\_S\_15 | 0 | SW | 17X | W | 2 | 2 | 2 | 15.69 | d14-18.99d | nRE | int |
| Mak14b\_S\_16 | 0 | SW | 17X | W | 2 | 2 | 2 | 14.52 | d14-18.99d | nRE | int |
| Mak14b\_S\_17 | 0 | SW | 17X | W | 2 | 2 | 2 | 14.52 | d14-18.99d | nRE | int |
| Mak14b\_S\_18 | 0 | SW | 17X | W | 2 | 2 | 2 | 14.52 | d14-18.99d | nRE | int |
| Mak14b\_S\_19 | 0 | SW | 17X | W | 2 | 2 | 2 | 13.31 | c11-13.99c | nRE | int |
| Mak14b\_S\_20 | 0 | SW | 17X | W | 2 | 2 | 2 | 13.31 | c11-13.99c | nRE | int |
| Mak14b\_S\_21 | 0 | SW | 17X | W | 2 | 2 | 2 | 13.31 | c11-13.99c | nRE | int |
| Mak14b\_S\_22 | 0 | SW | 17X | W | 2 | 2 | 2 | 12.13 | c11-13.99c | nRE | int |
| Mak14b\_S\_23 | 0 | SW | 17X | W | 2 | 2 | 2 | 12.13 | c11-13.99c | nRE | int |
| Mak14b\_S\_24 | 0 | SW | 17X | W | 2 | 2 | 2 | 12.13 | c11-13.99c | nRE | int |