Supplemental data

Table s1. Training program for STG.

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| --- | --- | --- | --- | --- | --- |
| **Week** | **Body part** | **No. of exercises** | **Day 1****(series x intensity)** | **Day 2** **(series x intensity)** | **Day 3****(series x intensity)** |
| 1-4 | Upper body | 3 | 1x 12 RM | 1x 80% of 10 RM | 1x 8 RM |
| Lower body | 5 | 2x 12 RM | 2x 80% of 10 RM | 2x 8 RM |
| 5-6 | Upper body | 3 | 1x 10 RM | 1x 80% of 10 RM | 1x 6 RM |
| Lower body | 5 | 2x 10 RM | 2x 80% of 10 RM | 2x 6 RM |
| 7-8 | Upper body | 3 | 2x 10 RM | 2x 80% of 10 RM | 2x 6 RM |
| Lower body | 5 | 3x 10 RM | 3x 80% of 10 RM | 3x 6 RM |
| 9-12 | Upper body | 3 | 2x 8 RM | 2x 80% of 10 RM | 2x 4 RM |
| Lower body | 5 | 3x 8 RM | 2x 80% of 10 RM | 3x 4 RM |

RM, repetition maximum.

Table s2. Training program for FTG.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Week** | **No. of exercises****(upper-/lower body)** | **Exercise set** | **Day 1****(series x rep)** | **Intensity** | **Day 2 (series x rep)** | **Intensity** | **Day 3 (series x rep)** | **Intensity** |
| 1-6 | 7 (4/3) | 1 | 1x 15 | 20 RM | 1x 10 | 20 RM | 1x 15 | 20 RM |
| 2 | 1x 15 | 15 RM | 1x 10 | 15 RM | 1x 15 | 15 RM |
| 6-12 | 8 (4/4) | 1 & 2 | 2x 12 | 12 RM | 2x 10 | 15 RM | 2x 12 | 12 RM |

Rep, repetitions. RM, repetition maximum.

Table s3. Training program for YSTG.

|  |  |  |  |
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| **Week** | **No. of exercises****(upper-/lower body)** | **No. of training sessions per week** | **Training load** **(series x intensity)** |
| 1-2 | 8 (5/3) | 3 | 3x 10 RM |
| 3-4 | 3x 8 RM |
| 5-11 | 3x 7 RM |

RM, repetition maximum.