Table S13. Five-Second Epoch Size Confusion Matrix Results with Stretch signals.

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| --- | --- | --- | --- |
| **Classifier** | **Feature Name** | **Classes Name** | **Predicted Class** |
| SVM | FFT | Actual Class | Sch | 257 | 2908 |
| Healthy | 2283 | 322 |
| ApEn | Actual Class | Sch | 356 | 2809 |
| Healthy | 2172 | 433 |
| ApEn+ Band-pass | Actual Class | Sch | 387 | 2778 |
| Healthy | 2340 | 265 |
| Shannon Entropy+ Band-pass | Actual Class | Sch | 715 | 2450 |
| Healthy | 2424 | 181 |
| Log Energy Entropy+ Band-pass | Actual Class | Sch | 26 | 3139 |
| Healthy | 2584 | 21 |
| Kurtosis+ Band-pass | Actual Class | Sch | 823 | 2342 |
| Healthy | 2027 | 578 |
| KNN | FFT | Actual Class | Sch | 264 | 2901 |
| Healthy | 2350 | 255 |
| ApEn | Actual Class | Sch | 416 | 2749 |
| Healthy | 2160 | 445 |
| ApEn+ Band-pass | Actual Class | Sch | 563 | 2602 |
| Healthy | 2204 | 401 |
| Shannon Entropy+ Band-pass | Actual Class | Sch | 59 | 3106 |
| Healthy | 2547 | 58 |
| Log Energy Entropy+ Band-pass | Actual Class | Sch | 22 | 3143 |
| Healthy | 2582 | 23 |
| Kurtosis+ Band-pass | Actual Class | Sch | 915 | 2250 |
| Healthy | 1791 | 814 |
| QDA | FFT | Actual Class | Sch | 430 | 2735 |
| Healthy | 2081 | 524 |
| ApEn | Actual Class | Sch | 730 | 2435 |
| Healthy | 1480 | 1125 |
| ApEn+ Band-pass | Actual Class | Sch | 1507 | 1658 |
| Healthy | 2459 | 146 |
| Shannon Entropy+ Band-pass | Actual Class | Sch | 1622 | 1543 |
| Healthy | 2532 | 73 |
| Log Energy Entropy+ Band-pass | Actual Class | Sch | 417 | 2748 |
| Healthy | 2569 | 36 |
| Kurtosis+ Band-pass | Actual Class | Sch | 2157 | 1008 |
| Healthy | 2275 | 330 |
| EC | FFT | Actual Class | Sch | 240 | 2925 |
| Healthy | 2383 | 222 |
| ApEn | Actual Class | Sch | 517 | 2648 |
| Healthy | 2140 | 465 |
| ApEn+ Band-pass | Actual Class | Sch | 415 | 2750 |
| Healthy | 2426 | 179 |
| Shannon Entropy+ Band-pass | Actual Class | Sch | 28 | 3137 |
| Healthy | 2545 | 60 |
| Log Energy Entropy+ Band-pass | Actual Class | Sch | 17 | 3148 |
| Healthy | 2586 | 19 |
| Kurtosis+ Band-pass | Actual Class | Sch | 845 | 2320 |
| Healthy | 2199 | 406 |