**1/ ECG**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | segments | Execution Time |
| VL with Quadratic | 21600 | 6.5 | x | 0.3 | x | x | 0.05 \* m | 2 | **Segment: 10867 - 11010: 2.20708796212783** | 00:00:53 |
| VL with SWAB | 21600 | 6.5 | 2000 | x | x | x | 0.05 \* m | 3 | **Segment: 10874 - 10969: 4.78911411304464** | 00:05:54 |
| HOT SAX | 21600 | x | x | x | 128 | 8 | x | x | **10857** | 00:12:39 |

**2/ ERP**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | segments | Execution Time |
| VL with Quadratic | 5000 | 6 | x | 1 | x | x | 1 | 3 | Segment: 1348 - 1410, anomal factor: 4.13381789954591  Segment: 78 - 138, anomal factor: 5.59186952417748  **Segment: 2624 - 2681, anomal factor: 6.77858478776081** | 00:00:5 |
| VL with SWAB | 5000 | 6 | 500 | x | x | x | 1 | 3 | Segment: 2734 - 2751, anomal factor: 3.42974798402891  Segment: 1370 - 1433, anomal factor: 4.20096933325452  **Segment: 2646 - 2679, anomal factor: 7.56402622468231** | 00:00:48 |
| HOT SAX | 5000 | x | x | x | 60 | 6 | x | x | **2626** | 00:00:59 |

**3/ Memory**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | segments | Execution Time |
| VL with Quadratic | 6875 | 8 | x | 0.1 | x | x | 2 | 2.5 | Segment: 164 - 256: 2.85052558048754  **Segment: 2425 - 2590: 2.92031265749066** | 00:00:07 |
| VL with SWAB | 6875 | 6 | 600 | x | x | x | 1 | 3.9 | Segment: 6204 - 6291: 4.16598664770241  Segment: 6332 - 6365: 4.23630620448598  Segment: 6396 - 6463: 4.30168234732894  **Segment: 2432 - 2535: 7.40246652416947** | 00:01:02 |
| HOT SAX | 6875 | x | x | x | 200 | 10 | x | x | **2421** | 00:01:30 |

**4/ Power**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | segments | Execution Time |
| VL with Quadratic | 5000 | 1000000 | x | 100 | x | x | 1 | 2.0 | **Segment: 1937 - 1985: 2.14532282485865** | 00:00:05 |
| VL with SWAB | 5000 | 860000 | 500 | x | x | x | 1 | 4.0 | Segment: 3264 - 3307: 3.64770540969957  Segment: 4744 - 4833: 4.55710014519621  Segment: 4678 - 4743: 5.04642005920572  **Segment: 4558 - 4645: 5.44147520508347** | 00:00:41 |
| HOT SAX | 5000 | x | x | x | 50 | 5 | x | x | **1943** | 00:01:30 |

**5/ Power Italia**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | segments | Execution Time |
| VL with Quadratic | 5000 | 67650 | x | 50 | x | x | 1 | 1.5 | Segment: 0 - 57: 1.8642839011195  Segment: 1306 - 1377: 1.91489163881996  **Segment: 102 - 216: 1.97336695225782** | 00:00:09 |
| VL with SWAB | 5000 | 100000 | 500 | x | x | x | 1 |  | **Segment: 0 - 91: 3.47474352997991** | 00:00:53 |
| HOT SAX | 5000 | x | x | x | 100 | 10 | x | x | **127** | 00:00:41 |

**6/ Stock**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Algorithm | Num data Point | Regression Error | Buffer size | Non-self match threshold | n | Paa length | k | alpha | segments | Execution Time |
| VL with Quadratic | 5000 | 2 | x | 0.1 | x | x | 1 | 3 | Segment: 212 - 598, anomal factor: 4.33008535501089  **Segment: 2961 - 3667, anomal factor: 5.24679501071554** | 00:00:03 |
| VL with SWAB | 5000 | 2 | 500 | x | x | x | 1 |  | **Segment: 2942 - 3719: 9.65854070431105** | 00:00:22 |
| HOT SAX | 5000 | x | x | x | 700 | 70 | x | x | **2949** | 00:00:41 |