| Dataset | Projects | Vuls | Before | After | Dif | New Vul |
|---------|----------|------|--------|-------|-----|---------|
| GH | Project_1 | Command I | 11 | 13 | 2 | 2 |
| GH | Project_2 | Code I | 0 | 1 | 1 | 1 |
| GH | Project_3 | XSS | 53 | 59 | 6 | 0 |
| GH | Project_4 | XSS | 21 | 24 | 3 | 3 |
| GH | Project_5 | XSS | 1 | 7 | 6 | 6 |
| GH | Project_6 | XSS | 0 | 4 | 4 | 4 |
| GH | Project_7 | XSS | 2 | 7 | 5 | 5 |
| GH | Project_8 | XSS | 46 | 56 | 10 | 10 |
| GH | Project_9 | XSS | 90 | 91 | 1 | 1 |
| GH | Project_9 | File I | 2 | 3 | 1 | 1 |
| GH | Project_10 | XSS | 50 | 229 | 179 | 1 |
| GH | Project_10 | Path M | 16 | 32 | 16 | 0 |
| GH | Project_10 | File I | 8 | 16 | 8 | 0 |
| GH | Project_10 | Code I | 0 | 4 | 4 | 0 |
| GH | Project_11 | Path M | 6 | 17 | 11 | 2 |
| GH | Project_12 | XSS | 349 | 350 | 1 | 0 |
| GH | Project_13 | Path M | 17 | 18 | 1 | 1 |
| GH | Project_13 | XSS | 9 | 10 | 1 | 0 |
| GH | Project_13 | File I | 4 | 5 | 1 | 1 |
| GH | Project_14 | XSS | 46 | 72 | 26 | 0 |
| GH | Project_15 | XSS | 350 | 357 | 7 | 7 |
| GH | Project_16 | XSS | 240 | 251 | 11 | 0 |
| GH | Project_17 | XSS | 45 | 48 | 3 | 3 |
| GH | Project_18 | File I | 0 | 6 | 6 | 6 |
| GH | Project_19 | XSS | 1448 | 1508 | 60 | 0 |
| GH | Project_19 | Path M | 331 | 332 | 1 | 1 |
| GH | Project_19 | File I | 4 | 5 | 1 | 0 |
| GH | Project_20 | XSS | 2350 | 2354 | 4 | 0 |
| GH | Project_21 | XSS | 4512 | 4963 | 451 | 0 |
| GH | Project_21 | Path M | 263 | 265 | 2 | 0 |
| GH | Project_21 | Command I | 238 | 241 | 3 | 0 |
| GH | Project_22 | XSS | 773 | 847 | 74 | 0 |
| GH | Project_23 | XSS | 1342 | 1504 | 162 | 0 |
| GH | Project_23 | SQLI | 103 | 194 | 91 | 0 |
| GH | Project_23 | File I | 14 | 21 | 7 | 0 |
| GH | Project_24 | XSS | 845 | 965 | 120 | 0 |
| GH | Project_24 | File I | 15 | 22 | 7 | 0 |
| GM | Project_1 | Command I | 10 | 11 | 1 | 0 |
| GM | Project_2 | XSS | 15 | 17 | 2 | 2 |
| GM | Project_3 | XSS | 8 | 9 | 1 | 0 |
| GM | Project_4 | XSS | 0 | 1 | 1 | 1 |
| GM | Project_5 | XSS | 0 | 3 | 3 | 3 |
| GM | Project_6 | XSS | 117 | 118 | 1 | 1 |
| GM | Project_7 | XSS | 15 | 53 | 38 | 38 |
| GM | Project_8 | XSS | 2 | 3 | 1 | 1 |
| GM | Project_9 | Path M | 5 | 6 | 1 | 1 |
| GM | Project_10 | XSS | 2 | 5 | 3 | 3 |
| GM | Project_11 | XSS | 757 | 775 | 18 | 3 |
| GM | Project_11 | Command I | 16 | 17 | 1 | 0 |

| | | | | | | |
|---|---|---|---|---|---|---|
| GM | Project_12 | XSS | 375 | 378 | 3 | 3 |
| GM | Project_13 | Path M | 701 | 705 | 4 | 0 |
| GM | Project_14 | XSS | 45 | 50 | 5 | 0 |
| GM | Project_15 | XSS | 1522 | 1711 | 189 | 0 |
| GM | Project_15 | SQLI | 1407 | 1408 | 1 | 1 |
| GM | Project_16 | XSS | 24 | 33 | 9 | 9 |
| GM | Project_17 | XSS | 110 | 112 | 2 | 0 |
| GM | Project_18 | XSS | 2299 | 2696 | 397 | 0 |
| GM | Project_19 | XSS | 1280 | 1300 | 20 | 0 |
| GM | Project_19 | Path M | 100 | 121 | 21 | 0 |
| GM | Project_20 | XSS | 35 | 37 | 2 | 0 |
| GM | Project_21 | XSS | 1244 | 1271 | 27 | 0 |
| GM | Project_22 | XSS | 61 | 81 | 20 | 0 |
| GM | Project_23 | XSS | 1156 | 1331 | 175 | 0 |
| GM | Project_23 | SQLI | 1028 | 1035 | 7 | 0 |
| GM | Project_23 | File I | 395 | 399 | 4 | 0 |
| GM | Project_23 | Path M | 213 | 234 | 21 | 0 |
| GM | Project_24 | XSS | 18594 | 18626 | 32 | 0 |
| GM | Project_25 | XSS | 59 | 67 | 8 | 8 |
| GM | Project_26 | Path M | 7 | 8 | 1 | 1 |
| GL | Project_1 | XSS | 4152 | 4167 | 15 | 15 |
| GL | Project_1 | SQLI | 89 | 103 | 14 | 0 |
| GL | Project_2 | XSS | 416 | 417 | 1 | 1 |
| GL | Project_3 | XSS | 3227 | 3327 | 100 | 0 |
| GL | Project_3 | Path M | 2359 | 3101 | 742 | 0 |
| GL | Project_3 | File I | 910 | 1073 | 163 | 0 |
| GL | Project_4 | XSS | 802 | 918 | 116 | 0 |
| GL | Project_5 | path M | 1 | 2 | 1 | 1 |
| GL | Project_6 | XSS | 0 | 1 | 1 | 1 |
| GL | Project_7 | XSS | 108 | 134 | 26 | 0 |
| GL | Project_7 | Path M | 64 | 85 | 21 | 0 |
| GL | Project_7 | Command I | 23 | 26 | 3 | 0 |
| GL | Project_8 | XSS | 21 | 42 | 21 | 21 |
| GL | Project_9 | XSS | 854 | 976 | 122 | 0 |
| GL | Project_10 | XSS | 23 | 24 | 1 | 1 |
| GL | Project_11 | XSS | 451 | 3866 | 3415 | 0 |
| GL | Project_11 | Path M | 371 | 1597 | 1226 | 0 |
| GL | Project_11 | File I | 152 | 231 | 79 | 0 |
| GL | Project_11 | Command I | 79 | 153 | 74 | 2 |
| GL | Project_11 | Code I | 16 | 44 | 28 | 0 |
| GL | Project_12 | XSS | 12 | 14 | 2 | 2 |
| GL | Project_13 | Path M | 131 | 132 | 1 | 1 |
| GL | Project_13 | File I | 50 | 51 | 1 | 1 |
| GL | Project_14 | XSS | 1950 | 2122 | 172 | 172 |
| GL | Project_15 | XSS | 3470 | 4196 | 726 | 0 |
| GL | Project_15 | File I | 2398 | 2399 | 1 | 0 |
| GL | Project_15 | Path M | 2006 | 2007 | 1 | 1 |
| GL | Project_16 | Path M | 22 | 23 | 1 | 1 |
| GL | Project_17 | Path M | 3 | 5 | 2 | 0 |
| GL | Project_18 | XSS | 44 | 45 | 1 | 0 |

| GL | Project_19 | XSS | 18 | 27 | 9 | 4 |
| SC | Project_1 | SQLI | 178 | 187 | 6 | 6 |
| SC | Project_2 | SQLI | 286 | 292 | 6 | 6 |
| SC | Project_3 | SQLI | 305 | 311 | 6 | 6 |