Table 1. Genome properties of *P. aeruginosa* strains and their genomes

<table>
<thead>
<tr>
<th>Properties</th>
<th>PA2192</th>
<th>C3719</th>
<th>PAO1</th>
<th>PA14</th>
<th>PACS2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Origin</td>
<td>Cystic Fibrosis</td>
<td>Cystic Fibrosis</td>
<td>Burn wound</td>
<td>Burn victim</td>
<td>Cystic Fibrosis</td>
</tr>
<tr>
<td>O-antigen biosynthetic genes *</td>
<td>O1 †</td>
<td>O3 ‡</td>
<td>O5</td>
<td>10</td>
<td>O1</td>
</tr>
<tr>
<td>Genome size (bp)</td>
<td>6,905,121</td>
<td>6,222,097</td>
<td>6,264,404</td>
<td>6,537,648</td>
<td>6,492,423</td>
</tr>
<tr>
<td>ORFs</td>
<td>6,191</td>
<td>5,578</td>
<td>5,571</td>
<td>5,905</td>
<td>5,676</td>
</tr>
<tr>
<td>tRNAs</td>
<td>46 §</td>
<td>40 §</td>
<td>64</td>
<td>63</td>
<td>65 ****</td>
</tr>
<tr>
<td>rRNAs</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>4</td>
</tr>
<tr>
<td>GC content (%)</td>
<td>66.2</td>
<td>66.5</td>
<td>66.6</td>
<td>66.3</td>
<td>66</td>
</tr>
<tr>
<td>Leading strand - No. of Genes (%)</td>
<td>3386 (55)</td>
<td>3043 (55)</td>
<td>3127 (56)</td>
<td>3212 (54)</td>
<td>3088 (54)</td>
</tr>
<tr>
<td>Leading strand - % essential genes</td>
<td>65</td>
<td>66</td>
<td>67</td>
<td>66</td>
<td>58</td>
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<tr>
<td>Total RGPs</td>
<td>35</td>
<td>31</td>
<td>32</td>
<td>37</td>
<td>27</td>
</tr>
<tr>
<td>No of Unique RGPs (RGP No.)</td>
<td>6 (RGP12, 17, 19, 30, 35, 42)</td>
<td>3 (RGP8, 16, 46)</td>
<td>1 (RGP34)</td>
<td>7 (RGP10, 11, 26, 32, 33, 38, 50)</td>
<td>1 (RGP62)</td>
</tr>
<tr>
<td>Reference</td>
<td>This Study</td>
<td>This Study</td>
<td>1, 2</td>
<td>3, 4</td>
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</tr>
</tbody>
</table>

* As shown by Raymond *et al.* (5)

† *PA2G_02562* is a pseudogene (four nucleotide insertions creating a premature termination codon)
‡ *PACG_02083* is a pseudogene (a single nucleotide insertion that results in a premature stop codon). The cluster also contains a 1137-bp insertion sequence.

§ Based on the information from the draft genomes PA2192 and PAC3719

References


