

The screenshot displays the RAMPART web interface for the experiment RADL3-16-627. The top header shows the experiment name, start time (2023-02-17T06:08:17.998Z), and current status: 3322652 reads mapped, 3422087 processed, and a calculating rate. The interface is divided into several panels:

- Read Depth:** A line graph showing read depth across the genome (0 to 100,000 bp). The depth fluctuates significantly, with peaks reaching up to 100,000. A legend indicates 'Mapped reads' (blue line) and 'Reads/sec' (red line).
- Mapped Reads / Sample:** A bar chart showing the number of mapped reads for each sample. The y-axis ranges from 0 to 80,000. The x-axis lists samples: RADL3-16-627, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, A49, A50, A51, A52, A53, A54, A55, A56, A57, A58, A59, A60, A61, A62, A63, A64, A65, A66, A67, A68, A69, A70, A71, A72, A73, A74, A75, A76, A77, A78, A79, A80, A81, A82, A83, A84, A85, A86, A87, A88, A89, A90, A91, A92, A93, A94, A95, A96, A97, A98, A99, A100.
- Reference Matrix:** A heatmap showing the reference matrix for the samples. The y-axis lists samples: RADL3-16-627, A1, A2, A3, A4, A5, A6, A7, A8, A9, A10, A11, A12, A13, A14, A15, A16, A17, A18, A19, A20, A21, A22, A23, A24, A25, A26, A27, A28, A29, A30, A31, A32, A33, A34, A35, A36, A37, A38, A39, A40, A41, A42, A43, A44, A45, A46, A47, A48, A49, A50, A51, A52, A53, A54, A55, A56, A57, A58, A59, A60, A61, A62, A63, A64, A65, A66, A67, A68, A69, A70, A71, A72, A73, A74, A75, A76, A77, A78, A79, A80, A81, A82, A83, A84, A85, A86, A87, A88, A89, A90, A91, A92, A93, A94, A95, A96, A97, A98, A99, A100.
- Read Lengths:** A bar chart showing the distribution of read lengths. The y-axis ranges from 0 to 25,000. The x-axis shows read lengths from 0 to 200 bp. The distribution is highly skewed towards shorter reads, with a peak around 50 bp.
- Read Depth (RADL3-16-627):** A line graph showing read depth for the specific sample RADL3-16-627. The y-axis ranges from 0 to 15,000. The x-axis shows read lengths from 0 to 100,000 bp. The depth fluctuates significantly, with peaks reaching up to 15,000. A legend indicates 'Depth' (blue line) and 'Reference sec' (red line).
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