**Supplementary Table 3.** Comparison of ROC among four models

<table>
<thead>
<tr>
<th></th>
<th>ROC value</th>
<th>AUC value</th>
<th>Z</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Training set</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Model A</td>
<td>0.345 (0.594–0.683)</td>
<td>0.656</td>
<td>-</td>
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</tr>
<tr>
<td>Model B</td>
<td>0.324 (0.590–0.760)</td>
<td>0.724</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Model C</td>
<td>0.327 (0.727–0.796)</td>
<td>0.831</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Model D</td>
<td>0.313 (0.689–0.808)</td>
<td>0.813</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Model A–B</td>
<td>-</td>
<td>-</td>
<td>-2.365</td>
<td>0.018</td>
</tr>
<tr>
<td>Model A–C</td>
<td>-</td>
<td>-</td>
<td>-5.837</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Model A–D</td>
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<td>-</td>
<td>-5.241</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Model B–C</td>
<td>-</td>
<td>-</td>
<td>-4.796</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Model B–D</td>
<td>-</td>
<td>-</td>
<td>-4.211</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Model C–D</td>
<td>-</td>
<td>-</td>
<td>1.815</td>
<td>0.070</td>
</tr>
<tr>
<td><strong>Validation set</strong></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Model A</td>
<td>0.354 (0.650–0.635)</td>
<td>0.629</td>
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</tr>
<tr>
<td>Model B</td>
<td>0.395 (0.720–0.654)</td>
<td>0.712</td>
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</tr>
<tr>
<td>Model C</td>
<td>0.430 (0.800–0.712)</td>
<td>0.813</td>
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<td>-</td>
</tr>
<tr>
<td>Model D</td>
<td>0.556 (0.910–0.654)</td>
<td>0.830</td>
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</tr>
<tr>
<td>Model A–B</td>
<td>-</td>
<td>-</td>
<td>-2.365</td>
<td>0.018</td>
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<tr>
<td>Model A–C</td>
<td>-</td>
<td>-</td>
<td>-5.837</td>
<td>&lt;0.001</td>
</tr>
<tr>
<td>Model A–D</td>
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<td>Model B–C</td>
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<td>Model B–D</td>
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<td>-4.211</td>
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</tr>
<tr>
<td>Model C–D</td>
<td>-</td>
<td>-</td>
<td>1.815</td>
<td>0.070</td>
</tr>
</tbody>
</table>

ROC, receiver operating characteristic; AUC, area under curve.