**Supplementary Table 1. Summary of canine subjects**

<table>
<thead>
<tr>
<th>Responders</th>
<th>Age</th>
<th>Gender</th>
<th>Breed</th>
<th>Stage</th>
<th>Recurrence</th>
<th>Immuno-phenotype</th>
<th>Best RECIST Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>RB-07</td>
<td>5.75</td>
<td>F/S</td>
<td>Boxer</td>
<td>IIIa</td>
<td>Relapsed</td>
<td>B-cell, MDR Neg</td>
<td>PR</td>
</tr>
<tr>
<td>NE-42</td>
<td>9</td>
<td>M/C</td>
<td>Labrador Retriever</td>
<td>Iva</td>
<td>Naïve</td>
<td>B-cell, MDR Neg</td>
<td>PR</td>
</tr>
<tr>
<td>NE-41</td>
<td>9</td>
<td>M/C</td>
<td>Boxer/Pitt Bull Terr. Mix</td>
<td>IVa</td>
<td>Naïve</td>
<td>B-cell, MDR Neg</td>
<td>PR</td>
</tr>
<tr>
<td>NE-45</td>
<td>9</td>
<td>M/C</td>
<td>Golden Retriever</td>
<td>IIIa</td>
<td>Naïve</td>
<td>T-cell, MDR Pos</td>
<td>PR</td>
</tr>
<tr>
<td>FS-25</td>
<td>7</td>
<td>F/S</td>
<td>Boxer</td>
<td>IIIa</td>
<td>Relapsed</td>
<td>T-cell, MDR Neg</td>
<td>SD</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Non-responders</th>
<th>Age</th>
<th>Gender</th>
<th>Breed</th>
<th>Stage</th>
<th>Recurrence</th>
<th>Immuno-phenotype</th>
<th>Best RECIST Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>RB-10</td>
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<td>M</td>
<td>Boxer</td>
<td>Va</td>
<td>Naïve</td>
<td>B-cell, MDR Neg</td>
<td>SD</td>
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<tr>
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<td>B-cell, MDR Neg</td>
<td>SD</td>
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<td>FS-21</td>
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<td>Pitt Bull Terrier/Lab Retriever Mix</td>
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<td>Relapsed</td>
<td>B-cell, MDR Neg</td>
<td>SD</td>
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<tr>
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<td>F/S</td>
<td>Chesapeake Bay Retriever Beagle</td>
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<td>B-cell, MDR Neg</td>
<td>SD</td>
</tr>
<tr>
<td>FS-22</td>
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<td>F/S</td>
<td>Beagle</td>
<td>IIIa</td>
<td>Relapsed</td>
<td>T-cell, MDR Neg</td>
<td>SD</td>
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</tbody>
</table>