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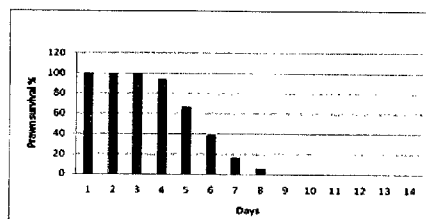
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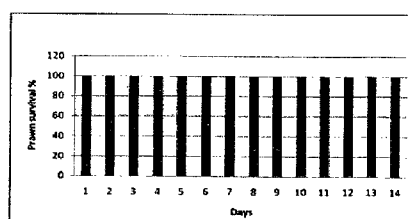
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(54) Title: RAPID SPECIFIC PATHOGEN FREE ANIMAL



Control



Treated

(57) Abstract: A method of producing at least one specific pathogen free (SPF) non-human animal and/or a method of producing at least one specific pathogen resistant (SPR) non-human animal, the method comprising administration of a fusion protein to the surviving animal wherein the fusion protein comprises at least one polypeptide B which is a Type 1 Ribosome Inactivating Protein (RIP) or fragment thereof; and (i) at least one polypeptide A which is an Antimicrobial peptide; and/or (ii) at least one polypeptide C which is a Cationic Antimicrobial Peptide (CAP) or fragment thereof.