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Application for Funding

	dentification of germ-line on Nutations in Irish Wolfhoo	osteosavcoma Susceptil Inds	hility
Date of Application	04.12.15		
	Dr M. Starkey (Head		
Co-Investigators:	Dr C. Mellersh 1He	ad Canine Genetics,	"AHT)
Description of the Project:			
developing osteosarcoma, interventions to try and preshould it arise. We propose procedure referred to as '1 unaffected Wolfhound (vosteosarcoma in US Greyhsequences present in the number of breeds unaffected unaffected unaffected unaffected unaffected genome sequences of dog	enetic alterations that cause Irish Wo and trying to understand their effect, revent osteosarcoma development, or se to 'decode' the string of 2.4 billion whole genome DNA sequencing') from which does not carry a chromosome 1 nounds). We will attempt to identify 'fi genomes of affected Wolfhounds that ited by osteosarcoma. This approach it gs representing at least 25 breeds that adding and the AHT's 'Give a Dog a Ger	, are essential steps towards de treat the cancer in a 'targeted letters that comprise the DNA (a 4 Wolfhounds with osteosarco 1 genetic marker strongly asso unctionally significant' variant D are absent from the genomes s viable because we have accest t are being compiled by the AH	eveloping manner' (a oma and ociated with DNA of a large ass to the
Budget:			
Preparation of DNA	for sequencing	<u>\$291.40</u>	
Construction of	'Sequencing libraries'	美1,052.52	
Illumina Hiseg4	000 DNA sequencing	±6,080·40	
2			
9			
Total Direct Costs		*7,424-32	
Budget justification:	-		
Time Line: Sec	the following page	, , , , , , , , , , , , , , , , , , ,	···· 8