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Molecular Biotechnology Programme

Uppsala University School of Engineering

UPTEC X 07 014		Date of issue 2007-01	
Author <p style="text-align: center;">Sara Ahlgren</p>			
Title (English) <p style="text-align: center;">Selection of CEA and VEGFR2 Binding Affibody[®] Molecules Using Phage Display</p>			
Abstract <p>Tumours often overexpress surface molecules which can be used as targets for affinity ligands in molecular imaging or targeted therapy. Affibody[®] molecules are targeting proteins, that can be designed to bind specifically to almost any target. The aim of this study was to isolate Affibody[®] molecules, through phage display selections, that bind to specific targets, carcinoembryonic antigen (CEA) and vascular endothelial growth factor receptor 2 (VEGFR2), respectively. The possibility to favour alternative epitopes, by blocking VEGFR2 with Affibody[®] molecules derived from an earlier selection, was also investigated. A number of new candidate binders were identified and it was shown that it is possible to favour the selection of alternative Affibody[®] molecules through blockage of the target protein.</p>			
Keywords <p>Carcinoembryonic antigen, CEA, Vascular endothelial growth factor receptor 2, VEGFR2, Phage display, Affibody[®] molecule</p>			
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Project name		Sponsors	
Language <p style="text-align: center;">English</p>		Security	
ISSN 1401-2138		Classification	
Supplementary bibliographical information		Pages <p style="text-align: center;">62</p>	
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