

Acknowledgement

First and foremost, I would like to thank my supervisor Prof. R.B. Veale for all his friendly guidance and patience. He was very supportive and for that I am really grateful.

I would like to thank Mrs. E. Scott for always having cells ready and for making all the tissue culture solutions. I also want to thank her for always being so caring and encouraging.

Thank-you to Mrs.C. Lalkahn for all her help with the confocal microscope.

To the late Mr B.C. van Zyl and the ZZ2 company, thank-you for all the generous support that you have provided me.

Thank-you to the people in my lab: Lindsay, Glenn, Ciara, Bronwyn, Catherine and Belinda. They have been very helpful, kind and fun to work with.

Thank-you to Mr D. Cassidy and Ms. J. Lourens for proof-reading a draft of manuscript.

To my mom (Simcha), dad (Richard) and Nurit, thank-you for being very supportive and patient with me, especially when I was writing up. To Dalit, Irene and Lauren, thank-you for always being so wonderful and encouraging.