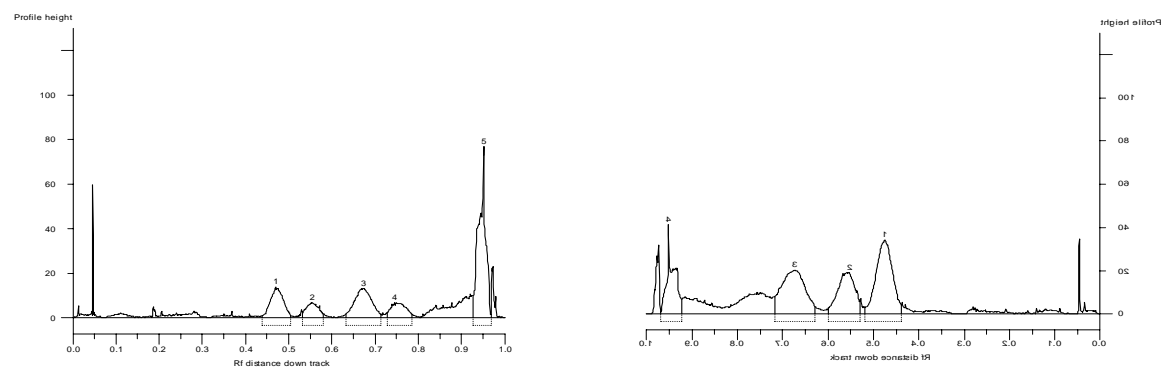


**C: 0 h**

**C: 1 h**

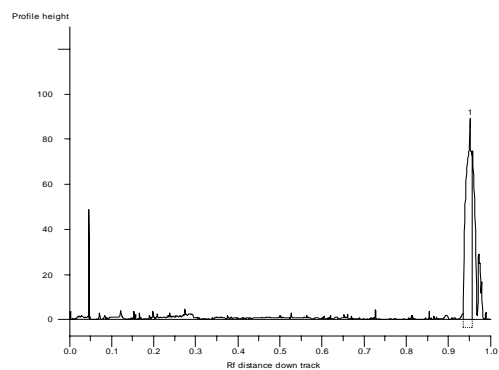
**C: 6 h**



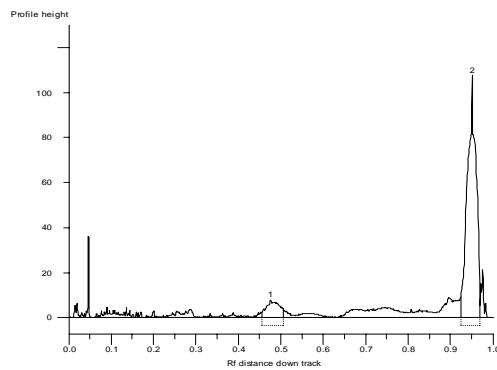
**C: 12 h**

**C: 24 h**

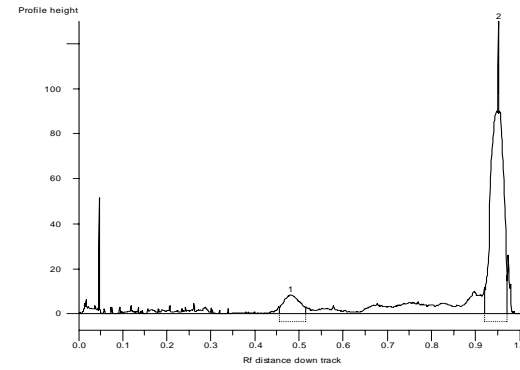
Appendix Figure A9 Oligosaccharide products from hydrolysis of barley beta-glucan by crude enzyme at various time



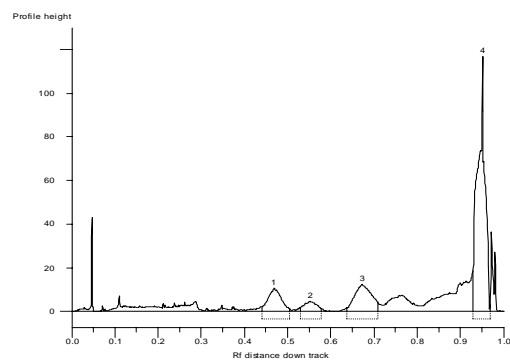
**J1: 0 h**



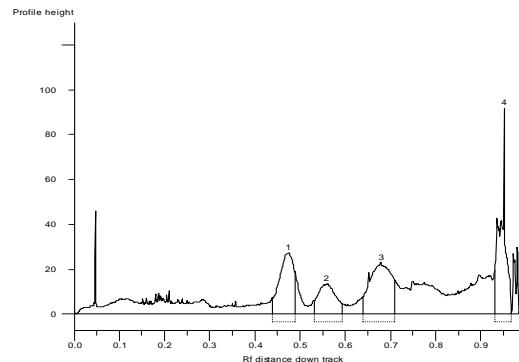
**J1: 1 h**



**J1: 6 h**

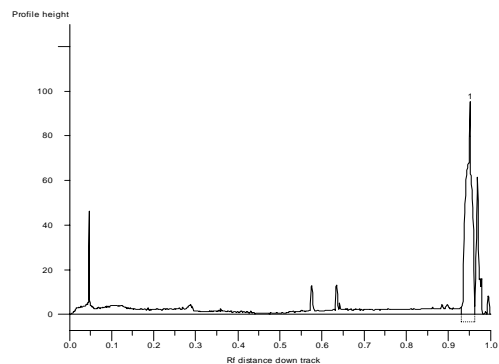


**J1: 12 h**

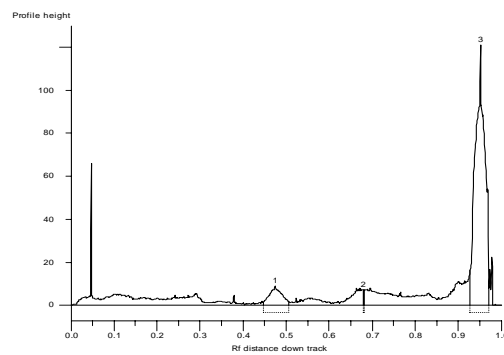


**J1: 24 h**

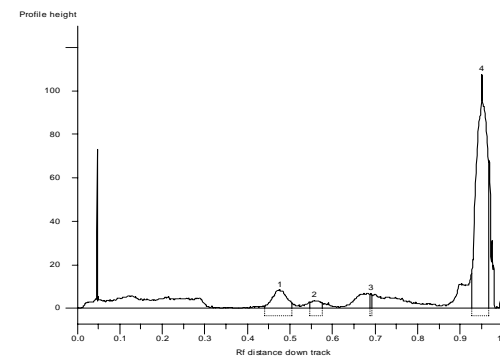
Appendix Figure A10 Oligosaccharide products from hydrolysis of barley beta-glucan by purified J1 at various time



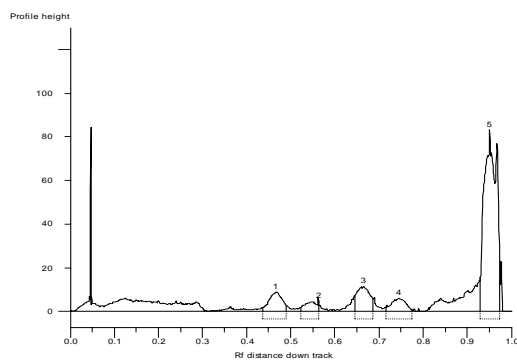
**pJ2: 0 h**



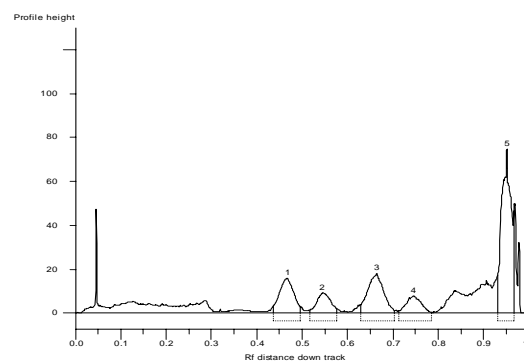
**pJ2: 1 h**



**pJ2: 6 h**



**pJ2: 12 h**



**pJ2: 24 h**

Appendix Figure A11 Oligosaccharide products from hydrolysis of barley beta-glucan by partial purified J2 at various time