BIO-PATH HOLDINGS, INC. PROXY

Proxy Solicited by the Board of Directors for the Annual Meeting of Shareholders to be Held July 15, 2009

The undersigned hereby appoints Peter H. Nielsen and Douglas P. Morris or either one of them with full power of substitution, proxies to vote at the Annual Meeting of Shareholders of Bio-Path Holdings, Inc. (the "Company") to be held on July 15, 2009 at 5:00 p.m., local time, and at any adjournment thereof, hereby revoking any proxies heretofore given, to vote all shares of Common Stock of the Company held or owned by the undersigned as directed on the reverse side of this proxy card, and in their discretion upon such other matters as may come before the meeting.

1. To elect as directors, to hold office until the 2010 successors are elected and qualified, the nominees listed below:	O Annual Meeting of Shareholders and until their
Peter H. Nielsen Douglas P. Morris Thomas Garrison, M Gillian Ivers-Read, B	s MD
FOR All nominees listed (except as indicated below)	withhold Authority to vote (as to all nominees)
To withhold authority to vote for any individual nominee, write the nominee's name on the line provided below.	
2. To ratify the appointment of Mantyla, McReynolds public accounting firm for the fiscal year ending December 31, 2009.	
For Against	Abstain
The Board recommends that you vote FOR the above proposals. This the manner directed above. WHEN NO CHOICE IS INDICATED, T ABOVE PROPOSALS. This proxy may be revoked by the undersign of the means described in the accompanying proxy statement.	proxy, when properly executed, will be voted in HIS PROXY WILL BE VOTED FOR THE
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PLEASE COMPLETE, DATE AND SIGN THIS PROXY AND RETURN IT PROMPTLY IN THE ENCLOSED ENVELOPE.