## **Supporting Information**

## A One-Step Synthesis of Rare-Earth Phosphate-Borosilicate Glass Composites

Giovanni Donato, Derek Holzscherer, Jeremiah C. Beam, and Andrew P. Grosvenor\*

Department of Chemistry, University of Saskatchewan, Saskatoon, SK, Canada, S7N 5C9

\*Author to whom correspondence should be addressed

E-mail: andrew.grosvenor@usask.ca



**Figure S1:** (a) Backscattered electron image of 40 wt% ceramic YPO<sub>4</sub>-BG composites synthesized by the 1-step method, (b) Si EDX map of composites made by the 1-step method, (c) Y EDX map of composites made by the 1-step method, (e) Ca EDX map of composites made by the 1-step method, (f) backscattered electron image of 40 wt% ceramic YPO<sub>4</sub>-BG composites synthesized by the 2-step method, (g) Si EDX map of composites made by the 2-step method, (i) P EDX map of composites made by the 2-step method, (i) P EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method, (j) Ca EDX map of composites made by the 2-step method.