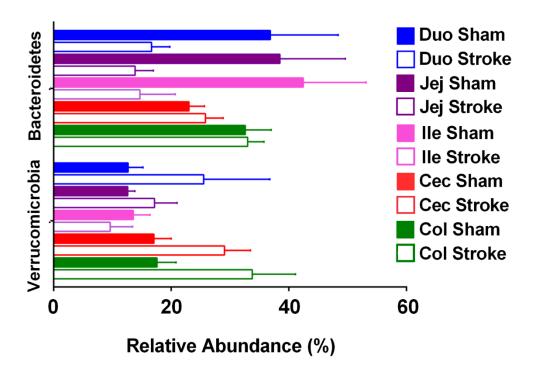
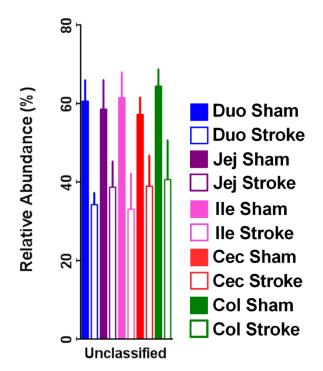
1 An insight into intestinal mucosal microbiota disruption after

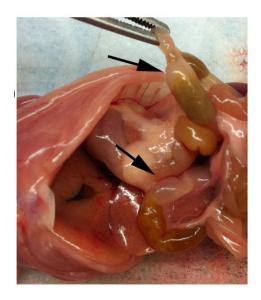
2	stroke
3	
4	Dragana Stanley ¹ , Robert J. Moore ^{2,3} and Connie H. Y. Wong ^{4,§}
5	
6	1. School of Health Medical and Applied Sciences, Central Queensland University,
7	Bruce Highway, Rockhampton, Queensland 4702, Australia. Email:
8	d.stanley@cqu.edu.au
9	2. School of Science, RMIT University, Bundoora, Victoria 3083, Australia. Email:
10	rob.moore@rmit.edu.au
11	3. Infection and Immunity Program, Biomedicine Discovery Institute, Department of
12	Microbiology, Monash University, Clayton, Victoria 3800, Australia
13	4. Centre for Inflammatory Diseases, Department of Medicine, School of Clinical
14	Sciences, Monash University, Clayton, Victoria 3168, Australia. Email:
15	connie.wong@monash.edu
16	
17	§Address for correspondence: Connie H. Y. Wong, PhD., Centre for Inflammatory Diseases,
18	Department of Medicine, School of Clinical Sciences, Monash Medical Centre, Monash
19	University, Clayton, VIC 3168 Australia; Email: connie.wong@monash.edu
20	
21	
22	SUPPLEMENTARY FIGURES: 4
23	
24	



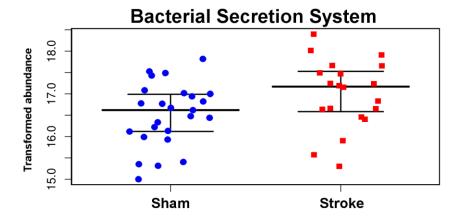
Supplementary Figure 1: Phylum Bacteroidetes was significantly decreased (P=5.3E⁻³) and Verrucomicrobia (P=0.045) were markedly increased in the intestinal mucosal samples isolated from post-stroke mice as compared to sham-operated counterparts, consistently across all 5 GIT sections. n = 5 per group.



Supplementary Figure 2: Genera Unclassified elevated significantly (ANOVA) across the GIT sections after stroke. GIT sections are abbreviated in labels: duodenum (Duo), jejunum (Jej), ileum (Ile), cecum (Cec), and colon (Col). n = 5 per group.



Supplementary Figure 3: Representative image of the presence of multiple gas pockets, denoted by black arrows, in the small intestine of post-stroke mice that were completely absent in sham-operated counterparts.



Supplementary Figure 4: KEGG level 3 *Bacterial Secretion System* category was
significantly (*P*=0.042) higher represented in stroke than in sham mucosa. Y axes represents
log2 transformed functional category abundance.