

Electronic supplementary material

ESM Table 1 Collective clinical diagnoses of individuals from whom tissue samples were collected and analysed for this study

| Diagnosis | Colon | Liver | Pancreas |
|------------------------------------|--------------|--------------|-----------------|
| Adenocarcinoma | 102 | 31 | 26 |
| Transitional cell carcinoma | 1 | 1 | 0 |
| Cancer | 8 | 1 | 0 |
| Adenomyosis | 1 | 0 | 0 |
| Anaemia | 9 | 2 | 0 |
| Angina | 1 | 0 | 0 |
| Anxiety disorder | 1 | 1 | 0 |
| Aortic insufficiency | 1 | 0 | 0 |
| Arthritis | 3 | 1 | 0 |
| Asthma | 3 | 0 | 0 |
| Atherosclerotic vascular disease | 2 | 1 | 0 |
| Atrial fibrillation | 4 | 1 | 0 |
| Basal cell carcinoma | 3 | 1 | 0 |
| Benign prostatic hypertrophy | 1 | 0 | 0 |
| Bundle branch block | 1 | 0 | 0 |
| Burkett's lymphoma | 3 | 1 | 0 |
| Carcinoma | 22 | 15 | 24 |
| Cataracts | 3 | 0 | 0 |
| Chronic inflammatory bowel disease | 4 | 0 | 0 |
| Cold agglutinin disease | 1 | 0 | 0 |
| Colonic inertia | 1 | 0 | 0 |
| Congestive heart failure | 4 | 0 | 0 |
| Constipation | 4 | 0 | 0 |
| Coronary artery disease | 6 | 3 | 0 |
| Crohn's disease | 11 | 1 | 0 |
| Degenerative joint disease | 3 | 1 | 1 |
| Depression | 3 | 2 | 0 |
| Deep vein thrombosis | 2 | 1 | 0 |
| Diabetes, type 1 | 2 | 0 | 1 |
| Diabetes, type 2 | 7 | 0 | 0 |
| Diabetic retinopathy | 1 | 0 | 0 |
| Diabetic neuropathy | 3 | 0 | 0 |
| Diarrhoea | 1 | 0 | 0 |
| Distal neurotisation of appendix | 1 | 0 | 0 |
| Diverticulosis | 42 | 1 | 1 |
| Endometriosis | 2 | 0 | 0 |
| Eosinophilia | 1 | 0 | 0 |
| Eosinophilic dermatitis | 1 | 0 | 0 |
| Epistaxis | 1 | 0 | 0 |
| Familial adenomatous polyposis | 2 | 0 | 0 |
| Gastro-oesophageal reflux | 4 | 1 | 0 |
| Grave's disease | 1 | 0 | 0 |
| Gout | 1 | 0 | 0 |
| Systolic murmur | 1 | 0 | 0 |
| Hearing loss | 1 | 0 | 0 |

| Diagnosis | Colon | Liver | Pancreas |
|------------------------------------|--------------|--------------|-----------------|
| Haemangiomas of liver | 2 | 2 | 0 |
| Haemorrhoids | 1 | 0 | 0 |
| Hepatitis | 1 | 0 | 0 |
| HIV | 1 | 0 | 0 |
| Hypercholesterolaemia | 3 | 1 | 0 |
| Hyperlipidaemia | 3 | 0 | 1 |
| Hypertension | 25 | 3 | 1 |
| Iliac artery aneurism | 1 | 0 | 0 |
| Kidney stones | 4 | 1 | 0 |
| Lyme's disease | 1 | 0 | 0 |
| Malrotation of colon | 2 | 0 | 0 |
| Non-Hodgkin's lymphoma | 1 | 0 | 0 |
| Melanosis coli | 3 | 0 | 0 |
| Migraine headaches | 5 | 0 | 0 |
| Mitral valve regurgitation | 2 | 0 | 0 |
| Myocardial infarction | 3 | 0 | 0 |
| Nocturnal incontinence | 1 | 0 | 0 |
| Obesity | 6 | 0 | 0 |
| Opiates | 1 | 0 | 0 |
| Osteoarthritis | 5 | 1 | 0 |
| Osteoporosis | 3 | 0 | 0 |
| Pancreatitis | 1 | 0 | 26 |
| Peptic ulcer disease | 2 | 0 | 1 |
| Peripheral vascular disease | 1 | 0 | 0 |
| Peritonitis | 1 | 0 | 0 |
| Polycystic kidney disease | 1 | 0 | 0 |
| Polio | 1 | 0 | 0 |
| Radiation proctitis | 3 | 0 | 0 |
| Rheumatic fever | 1 | 1 | 0 |
| Rheumatoid arthritis | 0 | 2 | 0 |
| Roseacea | 1 | 0 | 0 |
| Seizure disorder | 1 | 0 | 0 |
| Serrositis | 5 | 1 | 0 |
| Shingles | 1 | 0 | 0 |
| Short bowel syndrome | 1 | 0 | 0 |
| Situational depression | 1 | 0 | 0 |
| Submucosal lipoma | 1 | 0 | 0 |
| Syncope | 1 | 0 | 0 |
| Cancer | 8 | 1 | 0 |
| Thrombocytopenic purpura | 1 | 0 | 0 |
| Transient ischaemic attack | 1 | 0 | 0 |
| Tubular adenoma | 3 | 0 | 0 |
| Tubulovillous adenoma | 30 | 1 | 7 |
| Ulcerative colitis | 5 | 0 | 0 |
| Vitamin B ₁₂ deficiency | 2 | 0 | 0 |
| Wegener's granulomatosis | 1 | 0 | 0 |

Tissue removed was deemed pathologically normal; more than one diagnosis per each individual tissue possible