Table S1. Proteins involved in the tryptophan metabolism pathway identified in SI-NET tissue

The first two columns shows the protein name (protein) and gene identifier (gene) of the 20 proteins involved in tryptophan metabolism pathway that were identified in the 48 SI-NET tissue samples. The next columns show the total spectrum count for each protein (spectrum count) and the number of samples in which the protein could be detected (positive samples) in the 6 samples of each tissue group; tumor cells of primary tumors of patients with mesenteric fibrosis (MF, n= 6) and patients without fibrosis (non-MF, n=6), stromal cells of primary tumors of patients with MF (n=6) and non-MF (n=6), tumor cells of mesenteric metastases of patients with MF (n=6) and non-MF (n=6) and stromal cells of mesenteric metastases of patients with MF (n=6) and non-MF (n=6). The total spectrum count and number of positive samples was extracted from a Protein Report export from Scaffold.

| Protein                                | Gene     | Primary tumors (n = 12) | Mesenteric metastases (n = 12) |
|----------------------------------------|----------|-------------------------|-------------------------------|
|                                        |          | Tumor cells             | Stroma cells                  | Tumor cells               | Stroma cells                  |
|                                        |          | MF (n=6)                | non-MF (n=6)                  | MF (n=6)                  | non-MF (n=6)                  | MF (n=6)                  | non-MF (n=6)                  |
|                                        |          | Spectrum count | Positive samples | Spectrum count | Positive samples | Spectrum count | Positive samples | Spectrum count | Positive samples | Spectrum count | Positive samples | Spectrum count | Positive samples |
| Acetyl-CoA acetyltransferase, mitochondrial | ACAT1    | 35 6 34 6 8 6 6 4 33 6 39 6 1 1 10 5 |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| Acetyl-CoA acetyltransferase, cytosolic | ACAT2    | 5 3 1 1 0 0 0 0 2 2 1 1 0 0 0 0 |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| Aldehyde dehydrogenase X, mitochondrial | ALDH1B1  | 10 5 15 6 41 6 31 6 4 4 16 5 8 6 16 6 |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| Aldehyde dehydrogenase, mitochondrial | ALDH2    | 49 6 47 6 37 6 32 6 50 6 46 6 14 6 30 6 |                      |                      |                      |                      |                      |                      |                      |                      |                      |
| Name                                                                 | Symbol | 7  | 5  | 2  | 2  | 0  | 0  | 0  | 0  | 5  | 3  | 4  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
|----------------------------------------------------------------------|--------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| Aldehyde dehydrogenase family 3 member A2                           | ALDH3A2| 7  | 5  | 2  | 2  | 0  | 0  | 0  | 0  | 5  | 3  | 4  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |    |
| Alpha-aminoacidic semialdehyde dehydrogenase                        | ALDH7A1| 26 | 6  | 20 | 6  | 2  | 2  | 5  | 3  | 18 | 6  | 21 | 6  | 0  | 0  | 0  | 11 | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| 4-trimethylaminobutyryl-aldehyde dehydrogenase                       | ALDH9A1| 47 | 6  | 49 | 6  | 7  | 4  | 7  | 6  | 49 | 6  | 41 | 6  | 7  | 4  | 21 | 6  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Amiloride-sensitive amine oxidase                                     | AOC1   | 7  | 4  | 3  | 3  | 7  | 4  | 14 | 3  | 9  | 4  | 2  | 2  | 8  | 3  | 36 | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Catalase                                                             | CAT    | 10 | 6  | 8  | 5  | 7  | 6  | 15 | 6  | 13 | 6  | 12 | 5  | 3  | 1  | 17 | 6  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Aromatic-L-amino-acid decarboxylase                                  | DDC    | 161| 6  | 153| 6  | 38 | 6  | 42 | 6  | 137| 6  | 172| 6  | 24 | 5  | 67 | 6  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Dihydrolipoyl dehydrogenase                                         | DLD    | 36 | 6  | 27 | 6  | 6  | 5  | 5  | 4  | 27 | 6  | 35 | 6  | 0  | 0  | 5  | 3  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Dihydrolipoyllysine-residue succinyltransferase component           | DLST   | 29 | 6  | 28 | 6  | 18 | 6  | 13 | 6  | 26 | 6  | 19 | 6  | 0  | 0  | 8  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Enoyl-CoA hydratase, mitochondrial                                  | ECHS1  | 43 | 6  | 34 | 6  | 8  | 5  | 9  | 6  | 36 | 6  | 39 | 6  | 0  | 0  | 8  | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| 3-hydroxyanthranilate 3,4-dioxygenase                               | HAAO   | 10 | 6  | 8  | 4  | 7  | 4  | 2  | 1  | 3  | 3  | 9  | 6  | 2  | 1  | 7  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Hydroxycyl-coenzyme A dehydrogenase, mitochondrial                 | HADH   | 19 | 6  | 13 | 6  | 0  | 0  | 2  | 2  | 10 | 5  | 10 | 5  | 0  | 0  | 1  | 1  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Trifunctional enzyme subunit alpha, mitochondrial                  | HADHA  | 71 | 6  | 46 | 6  | 15 | 6  | 17 | 5  | 59 | 6  | 56 | 6  | 1  | 1  | 24 | 6  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Monoamine oxidase A                                                 | MAOA   | 16 | 5  | 9  | 4  | 4  | 3  | 5  | 4  | 7  | 4  | 8  | 4  | 0  | 0  | 7  | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| Monoamine oxidase B                                                 | MAOB   | 10 | 4  | 6  | 4  | 14 | 6  | 11 | 5  | 4  | 3  | 4  | 3  | 1  | 1  | 11 | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| 2-oxoglutarate dehydrogenase, mitochondrial                         | OGDH   | 38 | 6  | 20 | 6  | 8  | 5  | 4  | 4  | 33 | 6  | 26 | 6  | 0  | 0  | 7  | 5  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |
| 2-oxoglutarate dehydrogenase-like, mitochondrial                   | OGDHL  | 22 | 6  | 12 | 4  | 5  | 4  | 3  | 3  | 27 | 6  | 20 | 6  | 0  | 0  | 5  | 4  | 0  | 0  | 0  | 0  | 0  | 0  | 0  | 0  |