Table SI. Demographic information of patients.

| Sample no | Patient ID   | Sex   | Age, years | Disease                           | Treatment  |
|-----------|--------------|-------|------------|-----------------------------------|------------|
| 1         | Patient#1    | Male  | 40         | Intersphincteric Fistula          | Treated    |
| 2         | Patient#2    | Male  | 45         | Fistula                           | Treated    |
| 3         | Patient#3    | Male  | 42         | Hemorrhoids                       | Treated    |
| 4         | Patient#4    | Female| 53         | Fistula                           | Treated    |
| 5         | Patient#5    | Female| 65         | Transspincteric Fistula           | Untreated  |
| 6         | Patient#6    | Female| 33         | Hemorrhoids                       | Untreated  |
| 7         | Patient#7    | Female| 33         | Hemorrhoids                       | Untreated  |
| 8         | Patient#8    | Male  | 29         | Hemorrhoids                       | Treated    |
| 9         | Patient#9    | Male  | 30         | Transspincteric Perianal Fistula  | Untreated  |
| 10        | Patient#10   | Female| 41         | Hemorrhoids                       | Treated    |
| 11        | Patient#11   | Female| 50         | Transspincteric Fistula           | Untreated  |
| 12        | Patient#12   | Female| 29         | Hemorrhoids                       | Untreated  |
| 13        | Patient#13   | Female| 36         | Hemorrhoids                       | Untreated  |
| 14        | Patient#14   | Male  | 32         | Complex pilonidal sinuses         | Untreated  |