**Table 1: recommend\_slide**

**\***Values of some attributes are copied from <model\_management (MM)>, <tb\_test\_result (TR)> and <slides\_queue (SQ)>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key** | **Attribute name** | **Type** | **Description** | **source** | **Note** |
| PK | ID | Bigint | Index of the table | Automatically generated |  |
| FK | Model\_key | Varchar(255) | Key of the model | MM.model\_key |  |
|  | Slide\_name | Varchar(255) | Name of the slide | TR.barcode == SQ.slide\_name |  |
|  | Anotomy | Varchar(255) | Anatomy of the slide | TR.slide\_type == SQ.anatomy | Colon or stomach |
|  | Slide\_path | Text | Location of the slide | SQ.slide\_path |  |
|  | Slide\_copy\_path | Text | -Path to copy the slide -Location of the copied slide | Be written after copying slide | [need to be confirmed with Seegene] |
|  | Scan\_date | Timestamp | Scan date of the slide | SQ.date\_time\_added |  |
|  | WSI\_prediction | Char(1) | Prediction of the slide | TR.result\_type | D or M or N |
|  | WSI\_score | Double | Confidence score of the slide prediction | SQ.label\_p | Range of [0, 1] |
|  | Slide\_groundtruth | Char(1) | Ground truth of the slide | SQ.slide\_level\_label | D or M or N |
|  | Oracle\_selection | Int(1) | Variable to flag if the slide was selected to be retrained | Automatically generated with the default value (0) | ~~0: default~~  1: system recommended  2: system recommended **and** ORACLE agreed  3: system recommended **but** ORACLE ignored  4: system not recommended **but** ORACLE selected  5: ORACLE **selected only patches** but not the slide to be retrained. |

**Table 2: recommend\_patch**

**\***Values of some attributes are copied from <recommend\_slide (RS)> and <ai\_predictions (AP)>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key** | **Attribute name** | **Type** | **Description** | **source** | **Note** |
| PK | ID | Bigint | Index of the table | Automatically generated |  |
| FK | Slide\_name | Varchar(255) | Name of the slide | RS.slide\_name == AP.slide\_name |  |
|  | ~~Anatomy~~ | ~~Varchar(255)~~ | ~~Anatomy of the slide~~ | ~~RS.anatomy == AP.anatomy~~ | ~~Colon or stomach [DELETE soon]~~ |
|  | Patch\_name | Text | Name of the patch |  | Slide\_name\_x\_loc\_y\_loc |
|  | Patch\_prediction | Char(1) | Prediction of the patch | AP.patch\_label | D or M or N |
|  | Patch\_score | Double | Confidence score of the patch prediction | AP.label\_p | Range of [0, 1] |
|  | ~~X\_scale~~ | ~~Varchar(10)~~ | ~~Slide scale (x)~~ | ~~AP.x\_scale~~ | ~~[DELETE soon]~~ |
|  | ~~Y\_scale~~ | ~~Varchar(10)~~ | ~~Slide scale (y)~~ | ~~AP.y\_scale~~ | ~~[DELETE soon]~~ |
|  | X\_loc | Varchar(10) | Patch coordinate (x) | AP.x\_loc |  |
|  | Y\_loc | Varchar(10) | Patch coordinate (y) | AP.y\_loc |  |
|  | Patch\_gen\_path | Text | -Path to generate the patch -Location of the generated patch | Be written after copying slide | (png file) |
|  | Patch\_groundtruth | Char(1) | Ground truth of the patch | Be written if ORACLE selected it to be retrained | D or M or N or NULL |
|  | Oracle\_selection | Int(1) | Variable to flag if the patch was selected to be retrained |  | 0: default  1: system recommended  2: system recommended **and** ORACLE agreed  3: system recommended **but** ORACLE ignored  4: system not recommended **but** ORACLE selected |

**Table 2: recommend\_patch (update: 2023.1.5)**

**\***Values of some attributes are copied from <recommend\_slide (RS)> and <ai\_predictions (AP)>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key** | **Attribute name** | **Type** | **Description** | **source** | **Note** |
| PK | ID | Bigint | Index of the table | Automatically generated |  |
| FK | Slide\_name | Varchar(255) | Name of the slide | RS.slide\_name == AP.slide\_name |  |
|  | Model\_key | Varchar(255) | Key of the model | MM.model\_management |  |
|  | Anatomy | Varchar(255) | Anatomy of the slide | RS.anatomy == AP.anatomy | Colon or stomach [DELETE soon] |
|  | Patch\_name | Text | Name of the patch |  | Slide\_name\_x\_loc\_y\_loc |
|  | Patch\_prediction | Char(1) | Prediction of the patch | AP.patch\_label | D or M or N |
|  | Patch\_score | Double | Confidence score of the patch prediction | AP.label\_p | Range of [0, 1] |
|  | X\_scale | Varchar(10) | Slide scale (x) | AP.x\_scale | [DELETE soon] |
|  | Y\_scale | Varchar(10) | Slide scale (y) | AP.y\_scale | [DELETE soon] |
|  | X\_loc | Varchar(10) | Patch coordinate (x) | AP.x\_loc |  |
|  | Y\_loc | Varchar(10) | Patch coordinate (y) | AP.y\_loc |  |
|  | Patch\_gen\_path | Text | -Path to generate the patch | Be written in **patch generation** step | (png file) |
|  | rediagnose | Char(1) | Ground truth of the patch | Be written if ORACLE selected it to be retrained | D or M or N or NULL |
|  | Sys\_recommend | Int(1) | Variable to flag if this patch was recommended by the system |  | 0: not recommend  1: recommend to be trained by the system  2: recommend to be trained by the system (region-based) |
|  | Oracle\_selection | Int(1) | Variable to flag if this patch was selected by oracle | Automatically generated with the default value (0) | 0: not select  1: select |

**Table 1: recommend\_slide (update 2023.01.05)**

**\***Values of some attributes are copied from <model\_management (MM)>, <tb\_test\_result (TR)> and <slides\_queue (SQ)>

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Key** | **Attribute name** | **Type** | **Description** | **source** | **Note** |
| PK | ID | Bigint | Index of the table | Automatically generated |  |
| FK | Model\_key | Varchar(255) | Key of the model | MM.model\_management |  |
|  | Slide\_name | Varchar(255) | Name of the slide | TR.barcode == SQ.slide\_name |  |
|  | Anotomy | Varchar(255) | Anatomy of the slide | TR.slide\_type == SQ.anatomy | Colon or stomach |
|  | Slide\_path | Text | Location of the slide | SQ.slide\_path |  |
|  | Slide\_copy\_path | Text | -Path to copy the slide -Location of the copied slide | Be written after copying slide |  |
|  | Scan\_date | Timestamp | Scan date of the slide | SQ.date\_time\_added |  |
|  | WSI\_prediction | Char(1) | Prediction of the slide | SQ.slide\_level\_label | D or M or N |
|  | WSI\_score | Double | Confidence score of the slide prediction | SQ.label\_p | Range of [0, 1] |
|  | groundtruth | Char(1) | Ground truth of the slide | TR.result\_type | D or M or N |
|  | Sys\_recommend | Int(1) | Variable to flag if this patch was recommended by the system | Automatically generated with the default value (1) | 0: not recommended  1: recommended (default) |
|  | Oracle\_selection | Int(1) | Variable to flag if this patch was selected by oracle | Automatically generated with the default value (0) | 0: not select  1: select (slide)  2: select (patch-only) |
|  | rediagnose | Char(1) |  |  | D or M or N or NULL |